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| International Union for the Protection of New Varieties of Plants |  |

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| Council  Fifty-Eighth Ordinary Session  Geneva, October 25, 2024 | C/58/2  Original: English  Date: August 22, 2024 |

UPOV Performance Report 2022-2023

Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance

The UPOV Performance Report (UPR) 2022-2023 has been prepared in accordance with Regulations 2.14 and 2.14*bis* of the Financial Regulations and Rules and reports performance against criteria established in the Program and Budget for the 2022-2023 Biennium (document C/55/4 Rev.).

The Council is invited to note the UPOV Performance Report 2022-2023.

[UPOV Performance Report (UPR) 2022-2023 follows]



UPOV Performance Report  
2022-2023

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# executive summary

## Financial overview

For the biennium 2022/23, the total income (before IPSAS adjustments) amounted to 7.6 million Swiss francs, and the total expenditure amounted to 7.4 million Swiss francs, resulting in a budgetary surplus of 0.2 million Swiss francs for 2022/23.

Income from other sources than contribution units amounted to 5.7 per cent of total income in 2023. This is in line with the target in the Strategic Business Plan (SBP) for the period 2023-2027 which aims to reach 10 per cent of total income by 2027.

Figure 1. Income other than Contribution Units



## Overall Policy on Plant Variety Protection (Sub-program UV.1)

### Growth of the UPOV system

The number of applications for plant variety protection increased from 25,133 in 2021 to 27,187 in 2022 (8.2 percent increase).

The number of titles issued decreased from 15,082 in 2021 to 14,860 in 2022 (1.5 percent decrease), resulting from a 1.0 percent decrease in the number of titles issued to residents (10,257 in 2022; 10,365 in 2021) and a 2.4 percent decrease in the number of titles issued to non-residents (4,603 in 2022; 4,717 in 2021).

The total of 161,232 titles in force at the end of 2022 represented a 4.6 percent increase on figures for 2021 (154,105).

The following graphs indicate trends in applications filed and titles issued since 2012. Information is also provided on filings by region and applications and titles by crop type.

|  |  |
| --- | --- |
| Figure 2. Total applications filed, titles issued and titles in force[[1]](#footnote-2) | Figure 3. Applications for Plant Breeders’ Rights – by region1 |

|  |  |
| --- | --- |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Applications filed by crop type**[[2]](#footnote-3)*   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Crop type | | | | | | Year | Agriculture | Forest trees | Fruit | Ornamental | Vegetables | | 2013 | 25% | 1.0% | 12% | 49% | 11% | | 2023 | 37% | 0.7% | 10% | 34% | 19% | | *Titles issued by crop type2*   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Crop type | | | | | | Year | Agriculture | Forest trees | Fruit | Ornamental | Vegetables | | 2013 | 34% | 0.7% | 10% | 42% | 13% | | 2023 | 39% | 0.5% | 8% | 35% | 17% | |

### Strategic Business Plan

The growth in the UPOV system was an important consideration in the Strategic Business Plan (SBP) for the period 2023-2027, which was adopted by the Council in 2022.

The SBP Strategy House outlines UPOV’s Mission, Strategic Pillars and Foundation, providing a framework to respond to the need for an effective system of plant variety protection that will encourage the development of new varieties of plants, for the benefit of society.

The Strategy House is rooted in continuous improvement by building on UPOV’s strengths while charting a future course with a new focus on providing services to UPOV members and users of the UPOV system.



## Services to the Union for enhancing the Effectiveness of the UPOV System (Sub-program UV.2)

### Services to UPOV members and users of the UPOV system

[UPOV e-PVP](https://www.upov.int/upovepvp/en/index.html) was launched on September 28, 2023. Viet Nam was the first UPOV member joining UPOV e-‑PVP by using the full package of components.

UPOV e-PVP provides the following components to assist UPOV members in implementing the UPOV system of plant variety protection:

1. [UPOV PRISMA](https://www.upov.int/upovprisma/en/index.html): online application tool for making applications to PVP Offices
2. UPOV e-PVP Administration Module: digitalized system for PVP offices to manage applications and grants, communicate with applicants and holders, publish information and transmit data to the PLUTO Database
3. UPOV e-PVP DUS Report Exchange Module: platform for PVP offices to exchange DUS reports
4. [PLUTO database](https://www.upov.int/pluto/en/index.html): information on plant varieties

UPOV e-PVP also provides the basis for platforms for UPOV member cooperation in the administration and examination of applications.

The Council in 2023 welcomed the expressions of commitment from Ghana to join the UPOV e-PVP and from Canada and the Community Plant Variety Office (CPVO) of the European Union and Netherlands (Kingdom of the) to join the UPOV e-PVP DUS Report Exchange Module.

By the end of 2023, 36 members of the Union, covering 75 States, were participating in UPOV PRISMA and there has been an overall growth in the use of UPOV PRISMA since its launch in 2017 (see figure 6 below).

Figure 6. Number of applications made via UPOV PRISMA



Guidance and information materials

In 2023 the Council adopted revised versions of the following documents:

UPOV/EXN/DEN Explanatory Notes on Variety Denominations under the UPOV Convention

UPOV/EXN/EDV Explanatory Notes on Essentially Derived Varieties under the 1991 Act of the UPOV Convention

TGP/7 Development of Test Guidelines

TGP/12 Guidance on Certain Physiological Characteristics

TGP/14 Glossary of Terms Used in UPOV Documents

UPOV/INF/16 Exchangeable Software

UPOV/INF/22 Software and Equipment Used by Members of the Union

UPOV/INF/23 UPOV Code System

*Adoption of new guidance on essentially derived varieties*

In 2019, the outcome of the Seminar on the Impact of Policy on Essentially Derived Varieties (EDVs) on Breeding Strategy in 2019, raised awareness that the evolution of breeding techniques has created new opportunities/incentives for predominately deriving varieties from initial varieties, more rapidly and at a lower cost and that it was important that UPOV guidance on EDVs is tuned to maximize benefits to society in terms of maximizing progress in breeding. The revision of document UPOV/EXN/EDV/2 started in 2019 and after several sessions of the CAJ and the Consultative Committee and meetings of two working groups, in 2023, the Council adopted the new guidance (document UPOV/EXN/EDV/3). The Council agreed to add, as a standing item on the CAJ agenda, “Updates from UPOV members and observers relating to the implementation of the concept of essentially derived varieties”.

*Developments concerning the technical work*

The work of the Technical Working Parties (TWPs) has evolved over time, as demonstrated in figures 7 and 8. There is a progressive reduction in the number of new Test Guidelines and new TGP documents being developed. It is unlikely that the adoption of new Test Guidelines will significantly increase the number of PVP applications covered by Test Guidelines. The work is increasingly focused on revising one or few characteristics in existing Test Guidelines.

In 2023, the work of the Technical Committee and its TWPs focused on options to improve the support provided for variety examination on the basis of the current arrangements for TWPs. In particular, how to address the needs of members of the Union and observers in relation to the technical guidance provided by UPOV. The Technical Committee agreed to a series of recommendations for the work to become more effective, particularly with a view to increasing cooperation as a fundamental benefit of UPOV membership. Recommendations on Test Guidelines include developing options to improve the structure of the Test Guidelines, the online tool for drafting Test Guidelines (web-based TG template), machine translation and the creation of national test guidelines.

|  |  |
| --- | --- |
| Figure 7. Number of Test Guidelines discussed at TWPs | Figure 8. Number of TGP documents discussed at TWPs |
|  |  |

## Assistance in the Introduction and Implementation of the UPOV System (Sub-program UV.3)

### Enhanced awareness

In 2023 there was a focus on digitalization services for the implementation of the system by UPOV members and on how to integrate better key stakeholders in the UPOV membership journey: UPOV Train the Trainer Program and engagement with policy makers on the role of PVP in dressing national development goals.

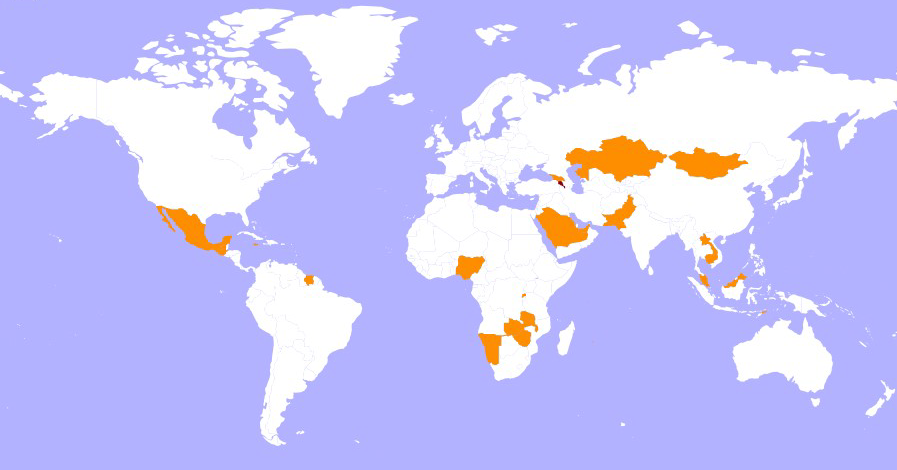
### UPOV PVP Certificate

The Council endorsed the implementation plan for the “UPOV International certificate on plant variety protection” (“UPOV PVP Certificate”). The UPOV PVP Certificate would be awarded to learners that acquired the necessary number of credits from completing UPOV-endorsed training and/or activities on the UPOV Convention and guidance, operation of a PVP Office and the examination of applications, including DUS examination.

### Development of legislation

In 2023, the number of non-members of the Union requesting assistance in legislative matters increased from 12 (2022) to 24. The number of members of the Union that requested such assistance remained at 2.   
As in 2022, a Workshop for drafting legislation in accordance with the UPOV Convention took place in 2023, with participants from 20 countries.

States and organizations that contacted the Office of the Union in 2022 - 2023 for assistance in the development of legislation on plant variety protection and States and organizations that initiated with the Council of UPOV the procedure for becoming members of the Union



The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

 States and organizations that initiated with the Council of UPOV the procedure for becoming members of the Union

 States and organizations that contacted the Office of the Union for assistance in the development of legislation on plant variety protection

## External Relations (Sub-program UV.4)

### FAQ on CBD, ITPGRFA and UPOV

In the context of explaining better the role of UPOV in other international fora, the Council approved in 2023 the following FAQ: “Complementarity between the UPOV Convention, the Convention on Biological Diversity (CBD) and the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)” (see <https://www.upov.int/about/en/faq.html>).

### Seminar plant breeding technologies

The Seminar on the interaction between plant variety protection and the use of plant breeding technologies”, which was held, in hybrid format, on March 22, 2023, and was attended by 312 participants. The video and presentations are available on the UPOV website with the proceedings in English, French, German and Spanish. The Seminar played a key role of awareness raising in the context of the development and adoption in October 2023 of new guidance on essentially derived varieties (document UPOV/EXN/EDV/3).

### New videos

The following video was published on January 9, 2023, available in English with English, French and Spanish subtitles:

* *Diversity in tomato:* How plant breeding has increased diversity in tomato

Four new videos on the benefits of PVP in Viet Nam were published on August 18, 2023:

* *Farmer-Breeders in Viet Nam*: Rice and longan farmer-breeders using PVP to support their breeding work, bringing benefits for local farmers and the Vietnamese economy
* *Development of the flower industry in Viet Nam*: Flower growers benefitting from increased variety choice and technical support as a result of PVP in Viet Nam
* *Transformation of the seed sector in Viet Nam*: Development of the seed sector after UPOV membership results in farmers having greater access to high quality seed
* *Role of PVP in supporting national agricultural policy in Viet Nam*: How plant variety protection is supporting national agricultural policy in Viet Nam

UPOV’s role and impact to be clearly known and understood inside and outside the UPOV community



All videos are available at: <https://www.upov.int/about/en/benefits_upov_system.html>

# I. FINANCIAL AND RESULTS OVERVIEW

**Key Financials**

The overall budgetary result for UPOV as well as the Reserve and Working Capital Funds (RWCF) for the biennium 2022/23 is shown in Table 1 below. The total income (before IPSAS adjustments) amounted to 7.6 million Swiss francs, and the total expenditure amounted to 7.4 million Swiss francs, resulting in a budgetary surplus of 0.2 million Swiss francs for 2022/23.

At the end of 2023, the total RWCF amounted to -55,011 Swiss francs, comprising 867,442 Swiss francs in the Reserve Fund, 578,345 Swiss francs in the Working Capital Fund and Actuarial losses through Net Assets of 1,500,799 Swiss francs.

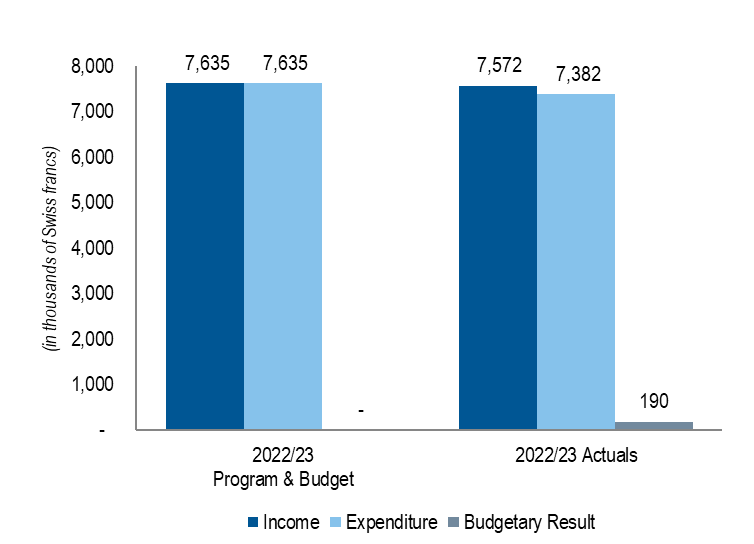
**Table 1. Key Financials 2022/23[[3]](#footnote-4)**

*(in thousands of Swiss francs)*

|  |  |  |  |
| --- | --- | --- | --- |
| **Key Financials** | **2022/23  Program & Budget** | **2022/23  Actuals** | **2022/23 Actuals compared to**  **Program & Budget** |
|
|  |  |  |  |
| Income | 7,635 | 7,572 | 99% |
| Expenditure | 7,635 | 7,382 | 97% |
| **Budgetary Result** | **-** | **190** | **n/a** |
|  |  |  |  |
| IPSAS adj. to Reg. Budget Income |  | - |  |
| IPSAS adj. to Reg. Budget Expenditure |  | (116) |  |
|  |  |  |  |
| **Surplus / (Deficit)** |  | **74** |  |
|  |  |  |  |
|  |  |  |  |
| **Reserve and Working Capital Funds (RWCF)** | |  |  |
| Reserve Fund |  | 867 |  |
| Working Capital Fund |  | 578 |  |
| Actuarial gains/(losses) through Net Assets |  | (1,501) |  |
| **Total RWCF at end of period** |  | **(55)** |  |

**Chart 1. Income, Expenditure and Budgetary Result in 2022/23**

*(in thousands of Swiss francs)*



Actual income amounted to 7.6 million Swiss francs in 2022/23, in line with the biennial estimate. See Table 2 below.

Income from contributions continued to be the single largest source of income representing 94.3 per cent of total income. The increase in income from contributions, resulting from new contributions from Ghana and Saint Vincent and the Grenadines (0.2 units each, respectively), and higher fee income from UPOV PRISMA (17 per cent above the biennial estimate) was partly offset by lower PLUTO fees from premium users (delayed launch of new version), lower income generated from Funds-in-Trust related program support costs and forex losses.

**Table 2. Income in 2022/23**

*(in thousands of Swiss francs)*

|  |  |  |  |
| --- | --- | --- | --- |
| **Income** | **2022/23 Estimates** | **2022/23 Actual** | **2022/23 Actuals compared to Estimates** |
|
|  |  |  |  |
|  |  |  |  |
| Contributions (unitary) | 7,129 | 7,140 | 100% |
| PRISMA Fees | 219 | 256 | 117% |
| PLUTO Fees | 113 | 51 | 45% |
| FITs Program support costs | 125 | 119 | 95% |
| Distance Learning course fees | 49 | 50 | 102% |
| Miscellaneous1 | - | (44) | n/a |
|  |  |  |  |
| **Total** | **7,635** | **7,572** | **99%** |
| *1Miscellaneous income mainly reflects unrealized forex gains/(losses) due to the revaluation process of the cash and other assets and liabilities accounts (currencies other than Swiss francs).* | | | |

**Chart 2. Income Share by Source in 2022/23**



**Expenditure**

Actual expenditure amounted to 7.4 million Swiss francs in 2022/23, i.e. 0.3 million Swiss francs or 3 per cent below the Program and Budget. This is shown in Table 3 and by sub-programs in Table 4 and Table 5.

**Table 3. Budget vs. Expenditure by Cost Category in 2022/23**

*(in thousands of Swiss francs)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Cost Category** | **2022/23  Program & Budget** | **2022/23 Actuals** | **2022/23 Actuals compared to P&B** |
|  |
| **Personnel Resources** | |  |  |  |
|  | Posts | 4,792 | 4,302 | 90% |
|  | Temporary staff | 526 | 324 | 61% |
|  | Other Staff costs | - | - | - |
|  | **Total, Personnel Resources** | **5,319** | **4,626** | **87%** |
|  |  |  |  |  |
| **Non-Personnel Resources** | |  |  |  |
|  |  |  |  |  |
| ***Internships and Fellowships*** | |  |  |  |
|  | Internships | 5 | - | - |
|  | Fellowships | 65 | - | - |
|  | *Sub-total, Internships and Fellowships* | **70** | **-** | **-** |
| ***Travel, Training and Grants*** | |  |  |  |
|  | Staff Missions | 349 | 99 | 28% |
|  | Third Party Travel | 12 | - | - |
|  | *Sub-total, Travel* | **361** | **99** | **27%** |
| ***Contractual Services*** | |  |  |  |
|  | Conferences | 180 | 264 | 147% |
|  | Publishing | - | - | - |
|  | Individual Contractual Services | 5 | 114 | +100% |
|  | Other Contractual Services | 405 | 1,009 | +100% |
|  | *Sub-total, Contractual Services* | **590** | **1,388** | **+100%** |
| ***Operating Expenses*** | |  |  |  |
|  | *Sub-total, Operating Expenses* | **1,285** | **1,267** | **99%** |
| ***Equipment and Supplies*** | |  |  |  |
|  | Furniture and Equipment | 5 | - | - |
|  | Supplies and Materials | 5 | 3 | 54% |
|  | *Sub-total, Equipment and Supplies* | **10** | **3** | **27%** |
|  | **Total, Non-Personnel Resources** | **2,316** | **2,756** | **119%** |
|  |  |  |  |  |
|  | **TOTAL** | **7,635** | **7,382** | **97%** |

**Personnel Resources**

Overall personnel expenditure amounted to 4.6 million Swiss francs in 2022/23, i.e. 0.7 million Swiss francs or 13 per cent, below the Program and Budget. Lower personnel expenditure was primarily driven by savings on two vacant posts and three vacant temporary positions (delays in recruitment), as well as lower-than-budgeted expenditure on education grants.

**Non-Personnel Resources**

Overall non-personnel expenditure amounted to 2.8 million Swiss francs in 2022/23, i.e. 0.4 million Swiss francs or 19 per cent, above the Program and Budget.

There was no expenditure on internships and fellowships due to a potential fellow not being able to travel to Geneva.

Travel, Training and Grants related expenditure in 2022/23 represented only 28 per cent of the biennial budget following the adoption of the “new normal”, notably an increased use of virtual/hybrid meeting tools and, for certain training/seminars, coverage of travel costs for UPOV staff by the organizers.

Contractual services:

*Conferences:* Expenditure on conferences exceeded the biennial budget. This was due to higher expenditure on administrative support and interpretation services for two additional UPOV sessions of the Council and Consultative Committee, the Informal Meeting for members of the Union Concerning the Procedure for the Appointment of a New Vice Secretary-General, Meetings of the Ad hoc Sub-Committee concerning the appointment of a new Vice Secretary-General and meetings of two new Working Groups (on Harvested Material and Unauthorized use of Propagating Material and on Guidance concerning Smallholder Farmers in relation to private and non-commercial use).

*Publishing*: There was no expenditure related to publishing in 2022/23.

*Individual Contractual Services (ICS)*: Experts provided guidance and support on the UPOV system, in particular on technical matters (UPOV PVP), as well as automation testing of UPOV Services.

*Other Contractual Services (OCS)*: Expenditure on OCS was substantially higher than the biennial budget. This was primarily driven by higher expenditure on: (i) the development and maintenance of UPOV e-PVP components (UPOV PRISMA, PLUTO, UPOV e-PVP Admin Module, UPOV e-PVP DUS Report Exchange Module), and TG template; and (ii) administrative support (event/meeting coordination, legal assistance, and training activities).

Operating expenses in 2022/23 were in line with budgeted costs.

In 2022/23, equipment and supplies related expenditure amounted to 2,720 Swiss francs.

**Table 4. Budget vs. Expenditure by Sub-Program in 2022/23**

*(in thousands of Swiss francs)*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **2022/23 Program & Budget** | **2022/23 Actuals** | **2022/23 Actuals compared to Program & Budget** |
|  |
|  |  |  |  |
| UV.1 Overall Policy on Plant Variety Protection | 816 | 845 | 103% |
| UV.2 Services to the Union for Enhancing the Effectiveness of the UPOV System | 4,486 | 4,859 | 108% |
| UV.3 Assistance in the Introduction and Implementation of the UPOV System | 1,672 | 980 | 59% |
| UV.4 External Relations | 660 | 698 | 106% |
|  |  |  |  |
| **TOTAL** | **7,635** | **7,382** | **97%** |

**Table 5. Expenditure Details by Sub-Program in 2022/23**

*(in thousands of Swiss francs)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Cost Category** | **Sub-programs** | | | |  |
|  | **UV.1** | **UV.2** | **UV.3** | **UV.4** | **Total** |
| **Personnel Resources** | |  |  |  |  |  |
|  | Posts | 724 | 2,291 | 832 | 455 | 4,302 |
|  | Temporary staff | - | 324 | - | - | 324 |
|  | Other Staff costs | - | - | - | - | - |
|  | **Total, Personnel Resources** | **724** | **2,615** | **832** | **455** | **4,626** |
|  |  |  |  |  |  |  |
| **Non-Personnel Resources** | |  |  |  |  |  |
|  |  |  |  |  |  |  |
| ***Internships and Fellowships*** | |  |  |  |  |  |
|  | Interns | **-** | **-** | **-** | **-** | **-** |
|  | Fellowships | **-** | **-** | **-** | **-** | **-** |
|  | *Sub-total, Internships and Fellowships* | **-** | **-** | **-** | **-** | **-** |
| ***Travel, Training and Grants*** | |  |  |  |  |  |
|  | Staff Missions | - | 22 | 6 | 71 | 99 |
|  | Third Party Travel | - | - | - | - | - |
|  | *Sub-total, Travel* | **-** | **22** | **6** | **71** | **99** |
| ***Contractual Services*** | |  |  |  |  |  |
|  | Conferences | 106 | 124 | - | 34 | 264 |
|  | Publishing | - | - | - | - | - |
|  | Individual Contractual Services | 6 | 97 | 11 | - | 114 |
|  | Other Contractual Services | 5 | 740 | 130 | 135 | 1,009 |
|  | *Sub-total, Contractual Services* | **117** | **961** | **142** | **169** | **1,388** |
| ***Operating Expenses*** | |  |  |  |  |  |
|  | *Sub-total, Operating Expenses* | **3** | **1,259** | **1** | **3** | **1,267** |
| ***Equipment and Supplies*** | |  |  |  |  |  |
|  | Furniture and Equipment | - | - | - | - | - |
|  | Supplies and Materials | 0 | 2 | 0 | 0 | 3 |
|  | *Sub-total, Equipment and Supplies* | **0** | **2** | **0** | **0** | **3** |
|  | **Total, Non-Personnel Resources** | **120** | **2,245** | **148** | **243** | **2,756** |
|  |  |  |  |  |  |  |
|  | **TOTAL** | **845** | **4,859** | **980** | **698** | **7,382** |
|  |  |  |  |  |  |  |
| *Note: Non-personnel expenditure on Supplies and Materials under UV.1, UV.3 and UV.4 amounted to 161 Swiss francs, 106 Swiss francs, and 215 Swiss francs, respectively.* | | | | | | |

**Resources**

The number of posts by category is shown in Table 6 below. There were 11 occupied posts at end of 2023, and two vacant professional posts. The Council, at its 35th extraordinary session, decided to create the position of Director of Global Development and Technical Affairs. The post of the Secretary-General is included within the post count, but at no cost, because the current Director General of WIPO has declined any salary or allowance from his functions as Secretary-General of UPOV.

**Table 6. Budgeted and Actuals Posts in 2022/23**

|  |  |  |  |
| --- | --- | --- | --- |
| **Post Category** | **2022/23 Budgeted  Posts** | **2022/23  Actual  Posts** | **Difference** |
|
|  |  |  |  |
| Directors | 3 | 4 | 1 |
| Professionals | 6 | 2 | (4) |
| General Service | 4 | 5 | 1 |
|  |  |  |  |
| **TOTAL** | **13** | **11** | **(2)** |

**Evolution of Income and Expenditure**

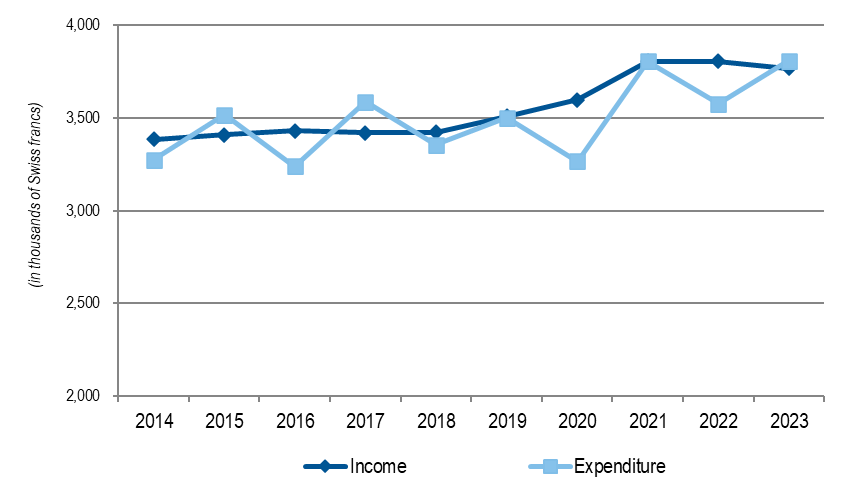
The overall evolution of actual income and expenditure (before IPSAS adjustments) for the period from 2014 to 2023 is shown below in Table 7.

**Table 7. Evolution of Actual Income and Expenditure during 2014-2023**

*(in thousands of Swiss francs)*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Actuals** | | | | | | | | | |
|  | **2014** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** | **2022** | **2023** |
|  |  |  |  |  |  |  |  |  |  |  |
| Income | 3,384 | 3,409 | 3,431 | 3,420 | 3,422 | 3,509 | 3,598 | 3,806 | 3,804 | 3,768 |
| Expenditure | 3,275 | 3,517 | 3,239 | 3,586 | 3,355 | 3,500 | 3,267 | 3,804 | 3,575 | 3,807 |
| **Budgetary Result** | **109** | **(109)** | **192** | **(166)** | **67** | **9** | **332** | **2** | **230** | **(39)** |

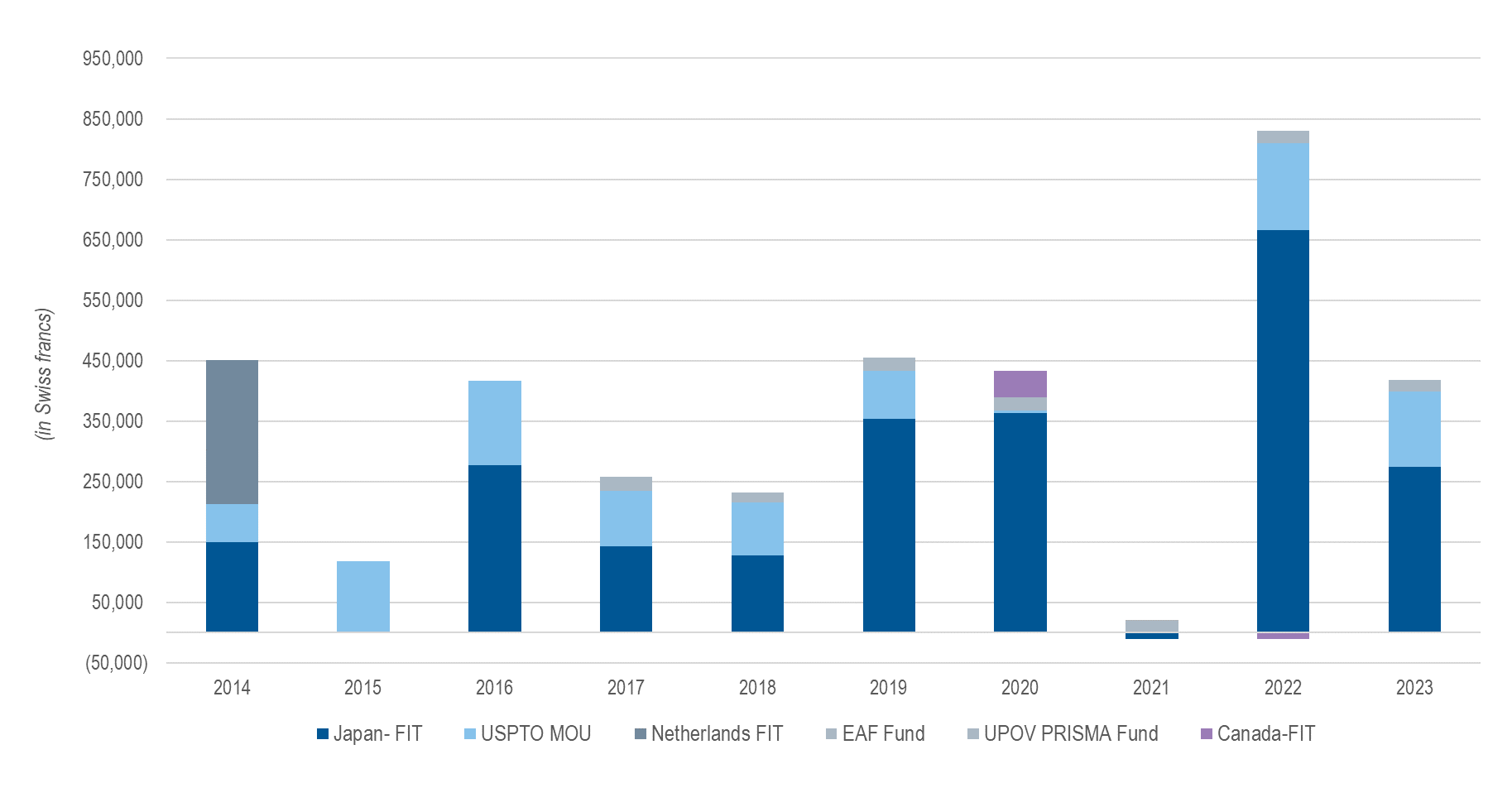
**Chart 3. Evolution of Income and Expenditure 2014-2023**



**Funds-in-Trust (extrabudgetary funds)**

The overall evolution of the actual income of the Funds-in-Trust for the period from 2014 to 2023 is shown below in Chart 4. It should be noted that the contribution for FIT Japan relating to 2021 was received in 2022.

**Chart 4. Evolution of Funds-in-Trust from 2014 to 2023**



# II. program performance

## SUB-PROGRAM UV.1:    Overall Policy on Plant Variety Protection

### Objectives

(a) Policy direction and executive management.

(b) Planning, implementation and evaluation of program and budget.

### Performance Data:

| **Expected Results** | **Performance Indicators** | **Performance Data**[[4]](#footnote-5) |
| --- | --- | --- |
| 1. Governance by the UPOV Council and Consultative Committee, including monitoring of the work of UPOV Committees | (a) Approval and monitoring of the work programs of the CAJ, TC, TWPs and ad hoc working groups | Achieved – see documents C/55/18 “Report”, paragraphs 45 to 50 and C/56/15 “Report”, paragraphs 57 to 60.  The Council noted that the Consultative Committee had decided to establish:  - a Working Group on guidance concerning smallholder farmers in relation to private and non-commercial use (WG-SHF) – see document C/55/18 “Report”, paragraph 19;  - a Consultative Committee Working Group on Essentially Derived Varieties (CC/WG-EDV) – see document C/56/15 “Report”, paragraph 33  - an Ad hoc Sub-Committee concerning the appointment of a new Vice Secretary-General – see document C/56/12 “Outcome of the consideration of documents by correspondence”, paragraph 15(c)(v)  The Council noted that the Administrative and Legal Committee had decided to establish:  - a Working Group on harvested material and unauthorized use of propagating material (WG-HRV) – see document CAJ/78/13 “Report”, paragraph 24.  The Council noted that the Technical Committee had decided to establish:  - a “Working Group on DUS support (WG-DUS)” – see document TC/58/31 “Report”, paragraph 64.  In accordance with the recommendation of the Consultative Committee, the Council agreed to organize:  - a “Seminar to explore the role of plant breeding and plant variety protection in enabling agriculture to adapt to, and mitigate, climate change”, which was held on October 11, 12 and 26, 2022;  - a “Seminar on the interaction between plant variety protection and the use of plant breeding technologies”, which was held, in hybrid format, on March 22, 2023. |
| (b) Approval of Program and Budget | see document C/57/4 Rev. “Program and Budget for the 2024-2025 Biennium” |
| (c) Approval of the financial statements | see documents C/57/9 “Financial statements for 2022” and C/58/9 “Financial Statements for 2023” |
| (d) Approval of the UPOV Performance Report (UPR) | See documents C/57/2 “UPOV Performance Report 2022” and  C/58/2 “UPOV Performance Report 2022-2023” (this document) |
| 2. Examination of the conformity of laws, or draft laws, with the 1991 Act of the UPOV Convention | (a) Recommendations by the Consultative Committee | see (b) below |
| (b) Decisions by the Council | Based on the recommendation by the Consultative Committee, the Council took a positive decision on the conformity of the “Draft Law on the Protection of Varieties of Plants of Armenia”. |
| 3. Review of developments concerning applications and grants of plant breeders’ rights | (a) Number of applications1 | Number of applications for PBR:  Total: 25,135 (2021); Total: 27,187 (2022)  • Filed by residents: 18,910 (2021); 21,440 (2022)  • Filed by non-residents: 6,225 (2021); 5,747 (2022)  - Asia Pacific: 13,562 (2021); 15,186 (2022)  - European Union: 4,904 (2021); 4,424 (2022)  - Europe (excluding EU): 2,274 (2021); 3,530 (2022)  - North America: 2,268 (2021); 1,765 (2022)  - Latin America: 1,509 (2021); 1,627 (2022)  - Africa: 538 (2021); 564 (2022)  - Near/Middle East: 80 (2021); 91 (2022)  see figures 3, 4 and 9 |
| (b) Number of titles granted1 | 15,081 (2021); 14,860 (2022)  see figures 5 and 9 |
| (c) Number of titles in force1 | 141,888 (2021); 161,232 (2022)  see figure 10 |
| (d) Number of genera/species protected by members of the Union1 | see figures 11 and 12 concerning the number of members protecting all genera and species and number of limited genera and species |
| (e) Number of genera/species for which varieties have been protected1 | 4,214 (2021); 4,708 (2022)  see figure 16 |
| (f) Analysis by crop type2 | see figure 13 |
| 4. Policies to diversify UPOV’s revenue portfolio | (a) Income from sources other than UPOV member contributions | The Strategic Business Plan (SBP) 2023-2027 was adopted in October 2022. The SBP specifies that sources of income other than contributions of members of the Union should be targeted to reach 10 per cent of UPOV’s income by 2027. A key basis for diversifying income is to generate income from services provided to users of the UPOV system while making services available to PVP offices without charge. Extrabudgetary funds, UPOV PRISMA and the PLUTO database are planned to be the principal sources of income other than from contributions of members of the Union. |

|  |  |
| --- | --- |
| Figure 9. Applications for Plant Breeders’ Rights and Titles Issued1 | Figure 10. Plant Breeders’ Rights Titles in Force1 |

Figure 11. Protection of plant genera and species in 2022-2023

A map of the world

Description automatically generated

The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

|  |  |  |
| --- | --- | --- |
|  |  | Members of the Union offering protection for all plant genera and species |
|  |  |  |
|  |  | Members of the Union offering protection for a limited number of plant genera and species |
|  |  |  |
|  |  | Members of the Union who had not notified the extension of protection to all genera and species |

Figure 12. Evolution of protection to plant genera and species



Figure 13. Data from PLUTO database2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Applications filed by crop type:*   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Crop type | | | | | | Year | Agriculture | Forest trees | Fruit | Ornamental | Vegetables | | 2012 | 27% | 0.9% | 12% | 48% | 12% | | 2013 | 25% | 1.0% | 12% | 49% | 11% | | 2014 | 30% | 0.8% | 11% | 47% | 10% | | 2015 | 33% | 0.5% | 14% | 36% | 16% | | 2016 | 37% | 0.6% | 11% | 34% | 18% | | 2017 | 33% | 0.5% | 11% | 38% | 17% | | 2018 | 35% | 0.5% | 12% | 33% | 20% | | 2019 | 34% | 0.6% | 10% | 37% | 19% | | 2020 | 35% | 0.6% | 8% | 36% | 21% | | 2021 | 42% | 0.6% | 8% | 32% | 17% | | 2022 | 39% | 0.7% | 15% | 28% | 17% | | 2023 | 37% | 0.7% | 10% | 34% | 19% | | *Titles issued by crop type:*   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Crop type | | | | | | Year | Agriculture | Forest trees | Fruit | Ornamental | Vegetables | | 2012 | 26% | 0.7% | 9% | 48% | 15% | | 2013 | 34% | 0.7% | 10% | 42% | 13% | | 2014 | 35% | 0.6% | 10% | 43% | 12% | | 2015 | 32% | 0.9% | 10% | 44% | 13% | | 2016 | 32% | 1.1% | 9% | 40% | 18% | | 2017 | 27% | 0.4% | 12% | 45% | 16% | | 2018 | 27% | 0.5% | 11% | 43% | 18% | | 2019 | 34% | 0.4% | 9% | 38% | 18% | | 2020 | 38% | 0.5% | 7% | 34% | 21% | | 2021 | 46% | 0.5% | 7% | 27% | 18% | | 2022 | 42% | 0.5% | 12% | 30% | 15% | | 2023 | 39% | 0.5% | 8% | 35% | 17% | |

## SUB-PROGRAM UV.2:    Services to the Union for Enhancing the Effectiveness of the UPOV System

### Objectives

(a) To maintain and improve the effectiveness of the UPOV system.

(b) To provide and develop the legal, administrative and technical basis for international cooperation in plant variety protection according to the UPOV Convention.

### Performance Data:

| **Expected Results** | | **Performance Indicators** | **Performance Data** |
| --- | --- | --- | --- |
| 5. Guidance on the UPOV Convention and its implementation and information on its application | | (a) Adoption of new or revised guidance and information materials concerning the UPOV Convention | | The Council adopted:   * Revisions to 3 adopted information documents:   UPOV/INF/16 Exchangeable Software  UPOV/INF/22 Software and Equipment Used by Members of the Union  UPOV/INF/23 Guide to the UPOV Code System   * Revision of 2 adopted Explanatory Notes documents:   UPOV/EXN/DEN Explanatory Notes on Variety Denominations under the UPOV Convention  UPOV/EXN/EDV Explanatory Notes on Essentially Derived Varieties under the 1991 Act of the UPOV Convention   * Revisions to 5 previously adopted TGP documents adopted and published on the UPOV website:   TGP/5: Section 6 Experience and Cooperation in DUS Testing, Section 6: UPOV Report on Technical Examination and UPOV Variety Description  TGP/7 Development of Test Guidelines  TGP/8 Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability  TGP/12 Guidance on certain physiological characteristics  TGP/14 Glossary of Terms Used in UPOV Documents |
| (b) Adoption of new or revised Test Guidelines | | 2022: Adoption of 1 new Test Guidelines; 7 full revisions of Test Guidelines; and 13 partial revisions of Test Guidelines  2023: Adoption of 1 new Test Guidelines; 9 full revisions of Test Guidelines; and 14 partial revisions of Test Guidelines |
| (c) Proportion of PBR applications covered by adopted Test Guidelines | | 2022: 94% based on entries in PLUTO Plant Variety Database  (368,148 out of 391,604)  2023: 94% based on entries in PLUTO Plant Variety Database  (374,534 out of 416,149) |
| (d) Number of Test Guidelines under development in the TWPs | | 9 new Test Guidelines; 21 full revisions of Test Guidelines; and 21 partial revisions of Test Guidelines |
| 6. Enhanced cooperation in DUS examination | | (a) Plant genera and species for which members of the Union have practical experience included in GENIE database | | 2022: 3,733 plant genera/species  2023: 3,763 plant genera/species  see figure 16 |
| (b) Plant genera and species for which members of the Union cooperate in DUS examination included in GENIE database | | 2022: 1,799 plant genera/species  2023: 1,724 plant genera/species  see figure 16 |
| (c) New initiatives to facilitate or enhance voluntary cooperation between members of the Union | | TC: interviews of members and observers on improving the technical support provided by UPOV for DUS examination and recommendations agreed to address issues raised regarding the organization of Technical Working Party meetings, development of Test Guidelines, training and exchange of DUS test reports.  CAJ: survey of members of the Union on policies or legal barriers that could prevent international cooperation in DUS examination, agreement to organize a seminar on cooperation with breeders in DUS examination and development of proposals to increase opportunities for international cooperation in DUS examination.  UPOV e-PVP: Viet Nam is the first authority using UPOV e-PVP DUS Exchange Module |
| 7. Enhanced cooperation in examination of variety denominations and novelty | | (a) Quantity and quality of data in PLUTO database: | |  |
| (i) number of contributors | | 2022: 45 contributors 2023: 55 contributors |
| (ii) number of new submissions | | 2022: 244 new submissions 2023: 208 new submissions |
| (iii) number of records | | 2022: 1,016,419 records 2023: 1,055,512 records |
| (iv) number of mandatory items provided | | N/A |
| (v) number of non-mandatory items provided | | N/A |
| (b) Number of PLUTO users and frequency of use | | 2022: 3,054 users 2023: 4514 users |
| (c) New initiatives to facilitate or enhance voluntary cooperation between members of the Union | | 2023: UPOV e-PVP: Viet Nam is the first authority using UPOV e-PVP Administrative Module |
| 8. Improved administration of PVP applications | | (a) Number of members of the Union participating in UPOV PRISMA | | 2022: 36 members, covering 75 States 2023: 36 members, covering 75 States |
| (b) Number of crops/species covered by UPOV PRISMA | | UPOV members covering all genera and species in 2022 = 23  in 2023 = 24  UPOV members covering selected crops/species in 2022 = 13  in 2023 = 12 |
| (c) Number of applications made via UPOV PRISMA | | 2022: 1,170 applications for PBR, 737 applications for National Listing 2023: 1,152 applications for PBR, 721 applications for National Listing |
| (d) Number of registered UPOV PRISMA users | | 2022: 106 new registered users (58 agents and 48 breeder admins) 2023: 63 new registered users (37 agents and 26 breeder admins) |
| (e) Number of members of the Union receiving applications via UPOV PRISMA | | 2022: 22 members 2023: 22 members |
| (f) Use of electronic PVP administration module (e-PVP) by members of the Union to manage and publish PVP applications | | 1 in 2023 |

|  |  |
| --- | --- |
| Figure 14. Adoption of Test Guidelines | Figure 15. Plant Breeders’ Rights Entries in Plant Variety Database covered by Test Guidelines |

Figure 16. Plant Genera/Species with Cooperation Agreements, Practical Experience and   
Plant Breeders’ Rights Entries in Plant Variety Database



## SUB-PROGRAM UV.3:    Assistance in the Introduction and Implementation of the UPOV System

### Objectives

(a) To raise awareness of the role of plant variety protection according to the UPOV Convention.

(b) To assist States and organizations, particularly governments of developing countries and countries in transition to a market economy, in the development of legislation in accordance with the 1991 Act of the UPOV Convention.

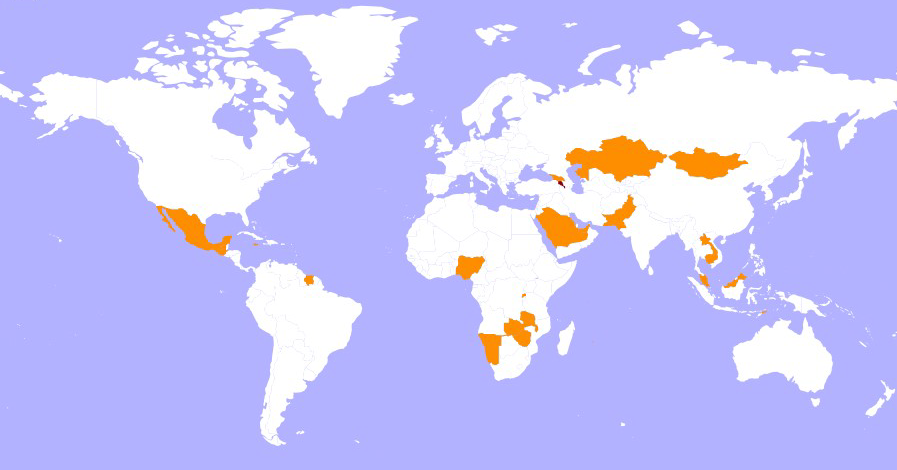
(c) To assist States and organizations in their accession to the 1991 Act of the UPOV Convention.

(d) To assist States and organizations in implementing an effective plant variety protection system in accordance with the UPOV Convention.

### Performance Data:

| **Expected Results** | **Performance Indicators** | **Performance Data** |
| --- | --- | --- |
| 9. Enhanced awareness of the role of plant variety protection in accordance with the UPOV Convention | (a) States and organizations that become members of the Union | None |
| (b) States that accede to or ratify the 1991 Act of the UPOV Convention | None |
| (c) States and organizations that initiate with the Council of UPOV the procedure for becoming members of the Union | Armenia  See figure 17 |
| (d) States and organizations that contact the Office of the Union for assistance in the development of legislation on plant variety protection | Members of the Union (2): Georgia, Mexico  Non-members of the Union (24): Antigua and Barbuda, Armenia, Bahrain, Barbados, Cambodia, Guatemala, Jamaica, Kazakhstan, Lao People’s Democratic Republic, Malawi, Malaysia, Mauritius, Mongolia, Namibia, Nigeria, Pakistan, Rwanda, Saudi Arabia, Seychelles, Suriname, Timor-Leste, United Arab Emirates, Zambia and Zimbabwe  see figure 17 |
| (e) States and organizations provided with information at UPOV activities | see Annex V to this document |
| (f) Participation in distance learning courses | Members of the Union (59): African Intellectual Property Organization (OAPI), Argentina, Australia, Austria, Belarus, Belgium, Bolivia (Plurinational State of), Brazil, Bulgaria, Canada, Chile, China, Colombia, Costa Rica, Croatia, Denmark, Dominican Republic, Ecuador, Estonia, European Union, Finland, France, Georgia, Germany, Ghana, Greece, Hungary, Ireland, Italy, Japan, Kenya, Latvia, Lithuania, Mexico, Morocco, Netherlands (Kingdom of the), New Zealand, Nicaragua, Oman, Peru, Poland, Portugal, Republic of Korea, Romania, Russian Federation, Singapore, Slovakia, South Africa, Spain, Sweden, Switzerland, Tunisia, Türkiye, Ukraine, United Kingdom, United Republic of Tanzania, United States of America, Uruguay, Viet Nam  Non-members of the Union: (13): Armenia, Indonesia, Iran (Islamic Republic of), Jamaica, Malaysia, Myanmar, Nigeria, Pakistan, Philippines, Rwanda, Senegal, Thailand, Zimbabwe  [2022] There were also students from EPO and FAO.  See figures 23 and 24 |
| (g) Participation in UPOV training/assistance activities | see Annex V to this document |
| (h) Participation in training/assistance activities involving UPOV staff or UPOV trainers on behalf of UPOV staff | see Annex V to this document |
| (i) Academic institutions that include information on the UPOV system and which invite UPOV to contribute | see Annex V to this document |
| 10. Development of legislation on plant variety protection in accordance with the 1991 Act of the UPOV Convention | (a) States and organizations receiving a positive advice from the Council | Armenia  See figures 18 and 20 |
| (b) States and organizations provided with comments on laws | Members of the Union (2): Georgia and Mexico  Non-members of the Union (19): Antigua and Barbuda, Armenia, Barbados, Cambodia, Guatemala, Kazakhstan, Malawi, Malaysia, Mongolia, Namibia, Nigeria (regulations), Rwanda, Saudi Arabia, Seychelles, Timor-Leste and Zambia  see figures 18 and 19 |
| (c) Meetings with government officials to discuss legislative matters | Members of the Union (5): China, Georgia, Israel, Mexico and New Zealand  Non-members of the Union (24): Antigua and Barbuda, Armenia, Bahrain, Barbados, Brunei Darussalam, Cambodia, Georgia, Guatemala, Jamaica, Kazakhstan, Lao People’s Democratic Republic, Malawi, Malaysia, Mauritius, Namibia, Nigeria, Rwanda, Saudi Arabia, Seychelles, Suriname, Timor-Leste, United Arab Emirates, Zambia and Zimbabwe  see figure 18 and Annex V |
| 11. Implementation of plant variety protection system in accordance with the UPOV Convention | (a) Number of applications | See 3 (a) |
| (b) Number of titles granted | See 3 (b) |
| (c) Number of titles in force | See 3 (c) |
| (d) Number of genera/species protected by members of the Union | See 3 (d) and figures 11 and 12 |
| (e) Number of genera/species for which varieties have been protected | See 3 (e) |
| (f) Development of an international curriculum leading to UPOV-recognized qualifications | Discussions during 2022-2023 with training partners to implement the project agreed by the Consultative Committee for an “International Certificate on Plant Variety Protection recognized by UPOV”.  The Council endorsed the implementation plan for the “UPOV International certificate on plant variety protection” (“UPOV PVP Certificate”). The UPOV PVP Certificate would be awarded to learners that acquired the necessary number of credits from completing UPOV-endorsed training and/or activities on the UPOV Convention and guidance, operation of a PVP Office and the examination of applications, including DUS examination. |

Figure 17. States and organizations that contacted the Office of the Union in 2023 for assistance in the development of legislation on plant variety protection and States and organizations that initiated with the Council of UPOV the procedure for becoming members of the Union

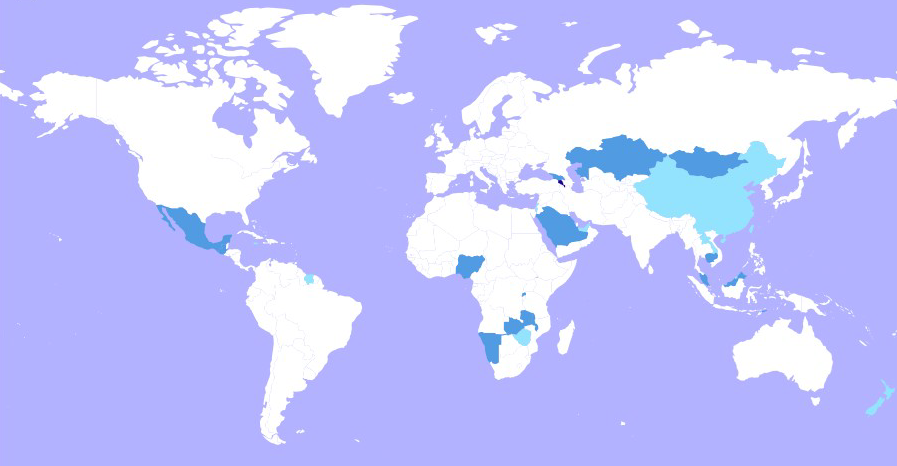


The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

 States and organizations that initiated with the Council of UPOV the procedure for becoming members of the Union

 States and organizations that contacted the Office of the Union for assistance in the development of legislation on plant variety protection

Figure 18. Assistance provided in drafting legislation on plant variety protection in 2023



The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

 States and organizations which received a positive advice from the Council of UPOV

 States and organizations provided with comments on laws

 Meetings with government officials to discuss legislative matters

|  |  |
| --- | --- |
| Figure 19. States/Organizations provided with  comments on laws | Figure 20. States/Organizations which received positive advice from the Council |
| Figure 21. Accession to/ratification of the 1991 Act | Figure 22. New members of the Union |

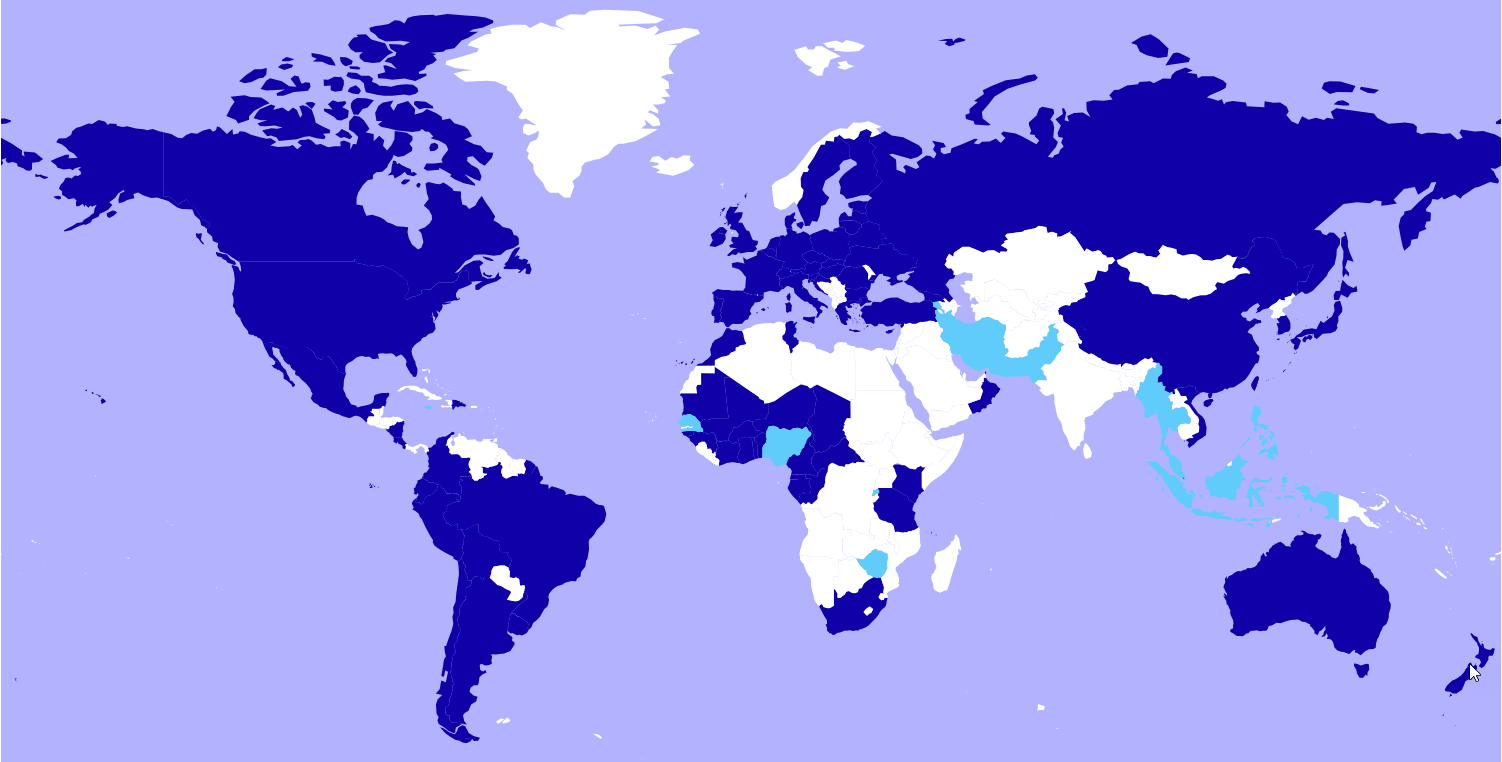
*Number of participants in main sessions of UPOV distance learning courses in 2022 and 2023 by category*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Number of participants in 2022** | | | | |
| **DL-205** | **DL-305** | **DL-305A** | **DL-305B** | **Total** |
| Category 1: Government officials of members of the Union | 324 | 130 | 69 | 88 | 611 |
| Category 2: Officials of observer States / intergovernmental organizations | 18 | 4 | 5 | 3 | 30 |
| Category 3: Others (Fee: CHF1,000) | 25 | 5 | 0 | 1 | 31 |
| Category 4: Discretionary waiving of fee for selected students | 9 | 2 | 0 | 1 | 12 |
| Total: | 376 | 141 | 74 | 93 | 684 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Number of participants in 2023** | | | | |
| **DL-205** | **DL-305** | **DL-305A** | **DL-305B** | **Total** |
| Category 1: Government officials of members of the Union | 332 | 89 | 55 | 75 | 551 |
| Category 2: Officials of observer States / intergovernmental organizations | 74 | 12 | 4 | 14 | 104 |
| Category 3: Others (Fee: CHF1,000) | 10 | 0 | 1 | 1 | 12 |
| Category 4: Discretionary waiving of fee for selected students | 85 | 4 | 1 | 0 | 90 |
| Total: | 501 | 105 | 61 | 90 | 757 |

Category 4 includes students from: JICA, KOICA, Naktuinbouw training courses and from Masters of Universities of La Salle, Maastricht, Alicante and experts that received UPOV fee-waiver.

Figure 23. UPOV DL-205, DL-305, DL-305A and DL-305B Courses: 2022 & 2023 participation



The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory.

  Members of the Union   Non-members of the Union

Figure 24. Participants in UPOV distance learning courses  
by language



In accordance with the program for the Chinese language approved by the UPOV Council, the following number of students participated in the DL-205 in Chinese language:

|  |  |  |
| --- | --- | --- |
| **Course** | **Language** | **Number of participants in 2023** |
| DL205-S1 | Chinese | 159 |
| DL205-S2 | Chinese | 53 |
| Total participants: | | 212 |

## SUB-PROGRAM UV.4:    External Relations

### Objectives

(a) To broaden and enhance the understanding of the UPOV system of plant variety protection.

(b) To provide information on the UPOV Convention to other intergovernmental organizations, with the aim of achieving mutual supportiveness with other international treaties.

### Performance Data:

Until the end of 2022, website analytics were measured using Google analytics. Due to the need to meet data privacy requirements, a new statistical tracking tool (Matomo) was used to measure analytics of the UPOV website in 2023. As different metrics are used, the data is not comparable.*([[5]](#endnote-2))*

UPOV applications (UPOV Lex, GENIE, UPOV PRISMA, PLUTO) are no longer included in the website analytics since they moved to the cloud. See endnote *(i)* for differences in analytics definitions between Google and Matomo statistical tracking tools.

| **Expected Results** | **Performance Indicators** | **Performance Data** |
| --- | --- | --- |
| 12. Broaden understanding of UPOV’s role and activities | (a) Number of visitors to UPOV website | 2022: 118,316 unique users (Google analytics tool) 2023: 106,656 unique visitors (Matomo analytics tool)  see figure 25 |
| (b) Number of visits to general public features on UPOV website | 2022: 876,805 visits (Google analytics tool) 2023: 494,227 pageviews (Matomo analytics tool)  see figure 26 |
| (c) Number of social media posts | 2022: UPOV Twitter 574 posts   UPOV LinkedIn 560 posts  2023: UPOV Twitter 249 posts UPOV LinkedIn 236 posts |
| (d) Number of followers on social media | @UPOVint Twitter[[6]](#footnote-6) account: on 31/12/2022: 2,255 followers  on 31/12/2023 2,544 followers  @vsgupov Twitter5 account: on 31/12/2022 722 followers  on 30/04/2023 729 followers[[7]](#footnote-7)  UPOV LinkedIn account: on 31/12/2022: 3,912 followers on 31/12/2023 5,467 followers  Vice-Secretary General LinkedIn account[[8]](#footnote-8):  on 05/12/2022: 1,059 followers[[9]](#footnote-9) on 03/05/2023 1,155 followers[[10]](#footnote-10)  See figures 27 and 28 |
|  | (e) Number of studies published on UPOV website | 2022: Two published studies:   * CPVO-EUIPO report: Impact of the Community Plant Variety Rights System and on the EU Economy and the Environment; * IP Australia Report: The economic impact of plant breeders' right in Australia   2023: No studies published |
|  | (f) Number of videos published on UPOV website | New videos published in 2022:   * NETHERLANDS: How UPOV helps a family plant breeding business in the Netherlands to operate globally * NETHERLANDS: Netherlands Triple Helix - government, business and academia working together. Learn how this complements plant variety protection * BRAZIL: New varieties of common BEANS (Phaseolus Vulgaris) Impact achieved by EMBRAPA through Plant Variety Protection of New Varieties in Brazil * CHINA: New Varieties of trees and herbs with high quality developed in China (National Forestry and Grassland Administration (NFGA)) * CHILE: Improved options for raspberry growers in Chile   Combined total views: 38,499  New videos published in 2023:   * DIVERSITY IN TOMATO: How plant breeding has increased diversity in tomato * VIET NAM: Farmer-Breeders in Viet Nam: Rice and longan farmer-breeders using PVP to support their breeding work, bringing benefits for local farmers and the Vietnamese economy * VIET NAM: Development of the flower industry in Viet Nam: Flower growers benefitting from increased variety choice and technical support as a result of PVP in Viet Nam * VIET NAM: Transformation of the seed sector in Viet Nam: How plant variety protection is supporting national agricultural policy in Viet Nam * VIET NAM: Development of the seed sector after UPOV membership results in farmers having greater access to high quality seed   Combined total views: 54,436 |
|  | (g) Number of visits to benefits page on UPOV website | 2022: 4,412 visits (Google analytics tool) 2023: 2,454 pageviews (Matomo analytics tool) |
|  | (h) Number of relevant languages in which studies and videos are available | Videos on the Benefits page of the UPOV website:   * Viet Nam: Farmer-Breeders in Viet Nam (*English*) * Viet Nam: Development of the flower industry in Viet Nam (*English*) * Viet Nam: Transformation of the seed sector in Viet Nam (*English*) * Viet Nam: Role of PVP in supporting national agricultural policy in Viet Nam (*English*) * Viet Nam: Farmer-Breeders in Viet Nam (*English*) * Viet Nam: Development of the flower industry in Viet Nam (*English*) * Viet Nam: Transformation of the seed sector in Viet Nam (*English*) * Viet Nam: Role of PVP in supporting national agricultural policy in Viet Nam (*English*) * Diversity in tomato (*English, French, Spanish*) * (Netherlands) Triple Helix (*English*) * (China) New Varieties of trees and herbs with high quality developed in China (*English, Chinese*) * (Brazil) New varieties of Common Bean: Impact achieved by EMBRAPA through PVP of new varieties (*English, French, Spanish)* * (Netherlands) How UPOV helps a family plant breeding business in the Netherlands to operate globally (*English*) * (Chile) Improved options for raspberry growers in Chile (*English, Spanish)* * (Peru) The plant variety protection system: the benefits for the development of the rice sector in Peru *(English, Spanish)* * (Uruguay) How PVP enabled a public breeder to ensure a supply of high quality onion seed to farmers (*English, Spanish)* * (Ecuador) The role of PVP in the development of a new blackberry variety that improves farmers’ working conditions *(English, Spanish)* * (Argentina) Using the UPOV system to benefit custodians of native wild germplasm in Argentina (*English, Spanish)* * UPOV system bringing benefits for agriculture in Colombia (*English, French, Spanish)* * (China) Celebration of the twentieth anniversary of the accession of China to UPOV Convention *(English)* * (Japan) Ashiro Rindo (*English*) * Canadian cherry growers benefit from government policy (*English, French, Spanish)* * Rose industry blooming in Kenya (*English, French, Spanish)* * (Japan) Tsuyahime Rice *(English, French, Spanish, Chinese, Thai)*   Studies:   * UPOV Report on the Impact of Plant Variety Protection  (*English, French, German, Spanish*) * Socio-economic benefits of UPOV membership in Viet Nam: An ex-post assessment on plant breeding and agricultural productivity after 10 years (Corresponding author: Steffen Noleppa) by HFFA Research GmbH (*English and Vietnamese*) |
|  | (i) Participation at meetings of, and with, relevant stakeholders | see Annex V to this document |
|  | (j) Participation by stakeholders in events, seminars and symposia | see Annex V to this document |
|  | (k) Initiatives of the World Seed Partnership | see Annex V to this document (Rwanda Seed Conference in July 2023) |

Figure 25. Visits to the UPOV website – Number of visitors



Figure 26. Website Overview for 2022 and 2023: Where are the users going?

|  |  |
| --- | --- |
| 2022 (source: Google analytics tool)\*    \* Excluding direct access to UPOV applications (UPOV Lex, UPOV PRISMA, PLUTO) | 2023 (source: Matomo analytics tool)\*\*    \*\* Excluding direct access to UPOV applications (UPOV Lex, GENIE, UPOV PRISMA, PLUTO) |

|  |  |
| --- | --- |
| Figure 27. @UPOVint and UPOV LinkedIn followers    Note: UPOV LinkedIn analytics tracked from May 17 2020, onwards. @UPOVint analytics tracked from March 4, 2019, onwards. | Figure 28. @vsgupov followers    Note:@vsgupov analytics available only up to May 3, 2023. |

# iii. annexes

ANNEX I Extrabudgetary Funds (Funds-in-Trust)

The extrabudgetary funds (including Funds-in-Trust) by donor are presented below.



**Income and expenditure by Fund for the year 2023**



*Note: The Fund-in-Trust from the Government of Japan is intended for regional seminars, workshops on the protection of new plant varieties in the Asian region and the development of the EAPVP Pilot Project.*



*Note: UPOV PRISMA is an on-line tool to assist preparing plant variety protection (PVP) applications to PVP Offices of participating members of the Union.  The UPOV PRISMA Fund is a contribution by Naktuinbouw (Netherlands) to support the development of UPOV PRISMA*



*Note: The Fund-in-Trust from the Government of the United States of America, intended for education in intellectual property protection in the area of plant variety protection.*

[Annex II follows]

ANNEX II Working Capital Fund and Contributions

Working Capital Fund as at December 31, 2023

Under Regulation 4.2 of the Financial Regulations and Rules of UPOV (see document UPOV/INF/4/6), UPOV has a Working Capital Fund. According to the Statement of Financial Position as at December 31, 2023, the Working Capital Fund stands at 578,345 Swiss francs. The share of each member of the Union, calculated in accordance with the decision taken by the Council at its twenty-third extraordinary session, held in Geneva on April 7, 2006 (see document C(Extr.)/23/5 “Report”, paragraph 12, Annex II and document UPOV/INF/13/2, Annex), is as follows:



Contributions of Members of the Union



Contribution Payments Received in Advance



**Amounts of the Contributions Due and Unpaid Working Capital as at December 31, 2023**



[Annex III follows]

ANNEX III Status in relation to UPOV

The following table provides detailed information on the status in relation to UPOV at the end of 2023.

**UPOV members**

African Intellectual Property Organization2, 4

Albania2

Argentina1

Australia2

Austria2

Azerbaijan2

Belarus2

Belgium2

Bolivia (Plurinational State of)1

Bosnia and Herzegovina2

Brazil1

Bulgaria2

Canada2

Chile1

China1

Colombia1

Costa Rica2

Croatia2

Czech Republic2

Denmark2

Dominican Republic2

Ecuador1

Egypt2

Estonia2

European Union2, 3

Finland2

France2

Georgia2

Germany2

Ghana2

Hungary2

Iceland2 Ireland2

Israel2

Italy1

Japan2

Jordan2

Kenya2

Kyrgyzstan2

Latvia2

Lithuania2

Mexico1

Montenegro2

Morocco2

Netherlands2

New Zealand1

Nicaragua1

North Macedonia2Norway1

Oman2

Panama2

Paraguay1

Peru2

Poland2

Portugal1

Republic of Korea2

Republic of Moldova2

Romania2

Russian Federation2

Saint Vincent and the Grenadines2

Serbia2

Singapore2

Slovakia2

Slovenia2

South Africa1Spain2

Sweden2

Switzerland2

Trinidad and Tobago1

Tunisia2

Türkiye2

Ukraine2

United Kingdom2

United Republic of Tanzania2

United States of America2

Uruguay1

Uzbekistan2

Viet Nam2

(Total 78)

1 1978 Act is the latest Act by which 17 States are bound.

2 1991 Act is the latest Act by which 59 States and 2 organizations are bound.

3 Operates a plant breeders’ rights system which covers the territory of its 27 member States *(Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden).*

4 Operates a plant breeders’ rights system which covers the territory of its 17 member States *(Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d’Ivoire, Equatorial Guinea, Gabon, Guinea, Guinea Bissau, Mali, Mauritania, Niger, Senegal, Togo).*

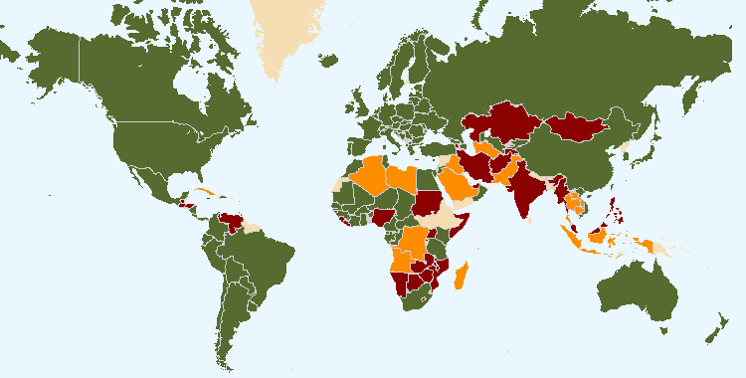
**States and intergovernmental organizations which had initiated the procedure  
for acceding to the UPOV Convention**

Afghanistan, Armenia, Brunei Darussalam, Guatemala, Honduras, India, Iran (Islamic Republic of), Jamaica, Kazakhstan, Malaysia, Mauritius, Mongolia, Myanmar, Nigeria, Philippines, Tajikistan, United Arab Emirates, Venezuela (Bolivarian Republic of) and Zimbabwe, as well as the African Regional Intellectual Property Organization (ARIPO).

**States and intergovernmental organizations which had been in contact with the Office of the Union   
for assistance in the development of laws based on the UPOV Convention**

Algeria, Antigua and Barbuda, Bahrain, Barbados, Cambodia, Cuba, Cyprus, El Salvador, Indonesia, Iraq, Lao People’s Democratic Republic, Libya, Liechtenstein, Malawi, Mozambique, Namibia, Pakistan, Saudi Arabia, Seychelles, Sudan, Thailand, Timor-Leste, Tonga, Turkmenistan and Zambia, as well as the Southern African Development Community (SADC).

The following map provides a graphic overview of the status in relation to UPOV at the end of 2023

The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory

 78 members of UPOV covering 97 States at the end of 2023

 19 States and 1 intergovernmental organization had initiated the procedure for acceding the UPOV Convention at the end of 2023

 25 States and 1 intergovernmental organization which had been in contact with the Office of the Union for assistance in the development of laws based on the UPOV Convention at the end of 2023

[Annex IV follows]

ANNEX IV Members of the Union

This Annex provides the status of the members of the Union in relation to the Convention and its various Acts, as of December 31, 2023 (see Articles 31 and 32 of the 1961 Convention, Article 32(1) of the 1978 Act and Article 34(2) of the 1991 Act).

A qr code with green squares

Description automatically generated

<https://www.upov.int/edocs/mdocs/upov/en/c_58/c_58_2_annex_iv.pdf>

[Annex V follows]

ANNEX V List of Activities in 2022-2023

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Description automatically generated

<https://www.upov.int/edocs/mdocs/upov/en/c_58/c_58_2_annex_v.pdf>

[Appendix follows]

# iv. appendix

## ACRONYMS AND ABBREVIATIONS

**UPOV terms**

|  |  |
| --- | --- |
| CAJ | Administrative and Legal Committee |
| DL-205 | UPOV distance learning course “Introduction to the UPOV System of Plant Variety Protection under the UPOV Convention” |
| DL-305 | UPOV distance learning course “Examination of Applications for Plant Breeders’ Rights” |
| DL-305A | UPOV distance learning course “Administration of Plant Breeders’ Rights” (part A of DL‑305) |
| DL-305B | UPOV distance learning course “DUS Examination” (part B of DL-305) |
| DUS | Distinctness, Uniformity and Stability |
| EAF (see also UPOV PRISMA) | UPOV Electronic Application Form |
| EAM | Meeting on Electronic Applications |
| EDV | essentially derived variety |
| Office | Office of the Union |
| PBR | Plant Breeder’s Right |
| PLUTO | UPOV Plant Variety Database |
| TC | Technical Committee |
| TC‑EDC | Enlarged Editorial Committee |
| TWA | Technical Working Party for Agricultural Crops |
| TWC | Technical Working Party on Automation and Computer Programs |
| TWF | Technical Working Party for Fruit Crops |
| TWM | Technical Working Party on Testing Methods and Techniques |
| TWO | Technical Working Party for Ornamental Plants and Forest Trees |
| TWP(s) | Technical Working Party(ies) |
| TWV | Technical Working Party for Vegetables |
| UPOV e-PVP | UPOV e-PVP comprises a package of electronic tools for implementation of the UPOV system of plant variety protection by UPOV members. UPOV e-PVP includes UPOV PRISMA, UPOV e-PVP Administration Module, UPOV e-PVP DUS Report Exchange Module, and the PLUTO database. |
| UPOV PRISMA | UPOV PRISMA PBR Application Tool |
| WG-DUS | Working Group on DUS Support |
| WG-HRV | Working Group on harvested Material and Unauthorized use of Propagating Material |
| WG-SHF | Working Group on Guidance concerning Smallholder Farmers in relation to private and non-commercial use |
| WSP | World Seed Partnership |

**Acronyms (also included in Annex V)**

|  |  |
| --- | --- |
| 2050Today | A climate action initiative bringing together a community of international Geneva institutions |
| AFSTA | African Seed Trade Association |
| AIPH | International Association of Horticultural Producers |
| AIPPI | International Association for the Protection of Intellectual Property |
| AMPPI (Mexico) | Asociación Mexicana para la Protección de la Propiedad Intelectual  (Mexican Association for the Protection of Intellectual Property) |
| AOHE | Association of European Horticultural Breeders |
| AOSA | Association of Official Seed Analysts |
| APBREBES | Association for Plant Breeding for the Benefit of Society |
| APSA | Asia and Pacific Seed Association |
| ARIPO | African Regional Intellectual Property Organization |
| ASEAN | Association of Southeast Asian Nations |
| ASTA | American Seed Trade Association |
| BruIPO | Intellectual Property Office of Brunei Darussalam |
| CAAS | Chinese Academy of Agricultural Sciences |
| CARDI | Cambodian Agricultural Research and Development Institute |
| CARICOM | Caribbean Community |
| CarIPI | CARIFORUM Intellectual Property Rights and Innovation |
| CATIE | Centro Agronómico Tropical de Investigación y Enseñanza (Tropical Agricultural Research and Teaching Center) |
| CBD | Convention on Biological Diversity |
| CFIA (Canada) | Canadian Food Inspection Agency |
| CGIAR | Consultative Group on International Agricultural Research |
| CICR | International Committee of the Red Cross |
| CIOPORA | International Community of Breeders of Asexually Reproduced Ornamental and Fruit Varieties |
| CIPO (Saint Vicent and the Grenadines) | Commerce and Intellectual Property Office |
| CIPTC | China International Talent Training Center |
| CLI | CropLife International |
| CNIPA | China National Intellectual Property Administration |
| COPA/COGECA | Comité des organisations professionnelles agricoles/Confédération générale des coopératives agricoles (Committee of Professional Agricultural Organisations/General Confederation of Agricultural) |
| CORAF | Conseil Ouest et Centre Africain pour la Recherche et le Développement Agricoles |
| COREP | Consorzio per la Ricerca e l’Educazione Permanente  (Consortium for Research and Continuing Education) |
| CPVO | Community Plant Variety Office of the European Union |
| DGAL (France) | Direction générale de l’alimentation du Ministère de l’Agriculture et de la Souveraineté alimentaire  (General Directorate for Food of the French Ministry of Agriculture and Food Sovereignty) |
| DSCT (China) | Development Center of Science and Technology of China |
| EAPVP Forum | East Asia Plant Variety Protection Forum |
| EAPVP Pilot Project | East Asia Plant Variety Protection Pilot Project |
| EEAS | European External Action Service |
| EMBO | European Molecular Biology Organization |
| EPSO | European Plant Science Organisation |
| EUIPO | European Intellectual Property Office |
| FAO | Food and Agriculture Organization of the United Nations |
| GES | Geneva English School |
| GESLIVE (Spain) | Gestion de Licencias Vegetales, empresa filial de la Asociación Nacional de Obtentores Vegetales (ANOVE) de España (Plant License Management, affiliated company of the National Association of Plant Breeders (ANOVE) of Spain) |
| GEVES (France) | Groupe d'Étude et de contrôle des Variétés Et des Semences |
| GLIPA | Global Intellectual Property Alliance |
| IESC | Improving Economies for Stronger Communities |
| IICA | Inter-American Institute for Cooperation on Agriculture |
| INASE (Argentina) | Instituto Nacional de Semillas (National Seed Institute of Argentina) |
| INASE (Uruguay) | Instituto Nacional de Semillas (National Seed Institute of Uruguay) |
| INDECOPI (Peru) | Instituto Nacional de Defensa de la Competencia y de la Protección de la Propiedad Intelectual (National Institute for the Defense of Competition and Protection of Intellectual Property of Peru) |
| INIA (Peru) | Instituto Nacional de Innovación Agraria (National Institute of Agrarian Innovation) |
| INIA (Uruguay) | Instituto Nacional de Investigación Agropecuaria (National Institute of Agricultural Research) |
| INIAF (Plurinational State of Bolivia) | Instituto Nacional de Innovación Agropecuaria y Forestal (National Institute for Agricultural and Forestry Innovation) |
| INIFAP (Mexico) | Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias (National Institute of Forestry, Agricultural and Livestock Research) |
| InnoVar | EU-funded project ‘Next generation variety testing for improved cropping on European farmland’ |
| INPA (Guinea Bissau) | Institut National de Recherche Agricole (National Institute for Agricultural Research) |
| INTA (Nicaragua) | Instituto Nicaragüense de Tecnología Agropecuaria (Nicaraguan Institute of Agricultural Technology) |
| IP Key LA | IP Key Latin America |
| IP Key SEA | IP Key South-East Asia |
| IPO | Intellectual Property Office |
| ISF | International Seed Federation |
| ISRA (Senegal) | Institut Sénégalais de Recherches Agricoles |
| ISTA | International Seed Testing Association |
| ITPGRFA | International Treaty on Plant Genetic Resources for Food and Agriculture |
| ITU | International Telecommunication Union |
| JATAFF | Japan Association for Techno-innovation in Agriculture, Forestry and Fisheries |
| JICA | Japan International Cooperation Agency |
| JICE | Japan International Cooperation Center |
| JIPO | Jamaica Intellectual Property Office |
| LESI-YMC | Licensing Executives Society International-Young Members Congress |
| LNV (Kingdom of the Netherlands) | Ministry of Agriculture, Nature and Food Quality of the Kingdom of the Netherlands |
| MAFF (Japan) | Ministry of Agriculture, Forestry and Fisheries of Japan |
| MAFM (Jamaica) | Ministry of Agriculture, Fisheries and Mining of Jamaica |
| MAPA (Spain) | Ministerio de Agricultura, Pesca y Alimentación  (Ministry of Agriculture, Fisheries and Food of Spain) |
| MARA (China) | Ministry of Agriculture and Rural Affairs of China |
| MISTI (Cambodia) | Ministry of Industry, Science, Technology and Innovation |
| MOA (Indonesia) | Ministry of Agriculture of Indonesia |
| MOA (United Republic of Tanzania) | Ministry of Agriculture of the United Republic of Tanzania |
| MOCCAE (United Arab Emirates) | Ministry of Climate Change and Environment of the United Arab Emirates |
| MOFA (Mauritius) | Ministry of Foreign Affairs of Mauritius |
| MPA (Spain) | Subdirección General de Medios de Producción Agricolas  (General Subdirectorate for Agricultural Production Means of Spain) |
| Naktuinbouw (Kingdom of the Netherlands) | Inspection Service for Horticulture |
| NACS (Nigeria) | National Agricultural Seeds Council of Nigeria |
| NFGA (China) | National Forestry and Grassland Administration of China |
| OAPI | African Intellectual Property Organization |
| OECD | Organisation for Economic Co-Operation and Development |
| OEVV (Spain) | Oficina Española de Variedades Vegetales  (Spanish Plant Variety Office) |
| OFINASE (Costa Rica) | Oficina Nacional de Semillas (National Seed Office of Costa Rica) |
| OHCHR | United Nations Human Rights Office of the High Commissioner |
| OREVADO (Dominican Republic) | Office of Plant Variety Registration and Protection of Breeders' Rights of the Dominican Republic |
| PAIRED | Partnership for Agricultural Research, Education and Development |
| RICA (Rwanda) | Rwanda Institute for Conservation Agriculture |
| SAA | Seed Association of the Americas |
| SEMAE (France) | L’interprofession des semences et plants  (French Interprofessional Organisation for Seeds and Plants) |
| SENADI (Ecuador) | Servicio Nacional de Derechos Intelectuales (National Service for Intellectual Rights of Ecuador) |
| SNICS (Mexico) | Servicio Nacional de Inspección y Certificación de Semillas (National Seed Inspection and Certification Service of Mexico) |
| SNL (OAPI) | Structure Nationale de Liaison de l'OAPI (OAPI National Liaison Structure) |
| SNPC (Brazil) | Serviço Nacional de Proteção de Cultivares (National Cultivar Protection Service of Brazil) |
| THASTA | Thai Seed Trade Association |
| TOSCI (United Republic of Tanzania) | Tanzania Official Seed Certification Institute |
| UN | United Nations |
| UNIGE | University of Geneva |
| USAID (United States of America) | United States Agency for International Development |
| USDA (United States of America) | United States Department of Agriculture Service |
| USPTO | United States Patent and Trademark Office |
| WFO | World Farmers’ Organization |
| WIPO | World Intellectual Property Organization |
| WSP | World Seed Partnership |
| WTO | World Trade Organization |

[End of Appendix and of document]

1. *Source: document C/57/7 “Plant variety protection statistics for the period 2018-2022”.* [↑](#footnote-ref-2)
2. *Source: PLUTO database.* [↑](#footnote-ref-3)
3. Note: Figures in tables throughout the document may not add up due to rounding. [↑](#footnote-ref-4)
4. Where data is provided over years, this is provided for the period 2013-2023 unless data is unavailable for all years. [↑](#footnote-ref-5)
5. *()* Google Analytics definitions used in Website statistics for 2022 in this report:

   - “Users” are individuals who have had at least one session within the selected date range.

   - A “session” is a group of user interactions with your website that take place within a given time frame. For example a single session can contain multiple page views, events, social interactions, and ecommerce transactions. A single user can open multiple sessions. Those sessions can occur on the same day, or over several days, weeks, or months. As soon as one session ends, there is then an opportunity to start a new session. There are two methods by which a session ends:

   • Time-based expiration:

   * After 30 minutes of inactivity
   * At midnight

   • Campaign change:

   * If a user arrives via one campaign, leaves, and then comes back via a different campaign.

   - “Unique Pageviews” are the number of visits during which the specified page was viewed at least once.

   - “Pageviews” are the total number of times that a page was viewed. Repeated views of a single page by the same user during the same session are counted.

   - “Number of visits” is the number of devices used to visit the website in a month (a person may use more than one device).

   Matomo Analytics definitions used in Website statistics for 2023 in this report:

   - “Unique visitors” (Unique Users” in Google Analytics): distinct individuals, logged in or not, who visit the UPOV webpages. It is the number of unique browsers accessing a site during the reporting period.

   - “Pageviews”: number of times a page was viewed. In the case of single-page applications, a new pageview is counted only when the history of the browser and URL are updated. [↑](#endnote-ref-2)
6. Twitter was renamed X on July 23, 2023. [↑](#footnote-ref-6)
7. Data for @vsgupov account available until April 30, 2023. [↑](#footnote-ref-7)
8. This account became private. [↑](#footnote-ref-8)
9. Data for December 31. 2022 not available [↑](#footnote-ref-9)
10. Data unavailable after May 3, 2023. [↑](#footnote-ref-10)