Technical Working Party on Testing Methods and Techniques

TWM/3/16

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DATA SCIENCE ACTIVITIES AT NAKTUINBOUW TOWARDS GENOTYPING AND PHENOTYPING: AN UPDATE

Document prepared by an expert from the Netherlands (Kingdom of)

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1. The Bioinformatics facility at Naktuinbouw has been instrumental in supporting variety identification and research. Our work includes identifying molecular markers using next-generation sequencing, developing algorithms for optimization and automation, and conducting statistical analysis and reporting. This has driven us to create uniform data platforms that enable meaningful comparisons.

2. Building on this foundation, our next step is to standardize image analysis and phenotyping at Naktuinbouw. This presentation will offer a sneak peek into our upcoming projects on image analysis, workflow developments, AI and other collaborative efforts

3. The annex to this document contains a copy of a presentation "Data Science activities at Naktuinbouw towards Genotyping and Phenotyping: An Update", to be made by an expert from the Netherlands (Kingdom of), at the third session of the TWM.

[Annex follows]

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ANNEX























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