**Short Proposal for Research Collaboration**

Kwangsoo Cho (Researcher of RAVL in CSA)

**1. Research project title**

* Development of standardized genotype/phenotype DB construction for digital breeding

**2. Objectives**

* Collection of Korean crops breeding data including genotype/phenotype.
* Standardization of breeding data by compatible standard tools.
* Implementation of Korean crops breeding data with BrAPI V.20.

**3. Background**

**4. Work plan**

4-1. **Implementation of potato genotype data with BrAPI v.2.2**

* Evaluation of compatible standard tools such as MCPD, MIAPPE
* Input and generating DB of different modules: BrAPI Core, Genotyping, Phenotyping, Germplasm in the web site ([www.brapi.org](http://www.brapi.org))

**4.2. Workshop for BrAPI practical usage for RDA scientists**

**5. Intended Results**

**5. Expected Research Funds**

❍ €40,000 for 12 months (from Dec. 2021 to Dec. 2022).

❍ We can discuss about detailed planning to make this research collaboration.