

BRAINSTORMING SESSION

Group E

Moderated by Jean Christophe Glaszmann

BREAKOUT GROUP 1

Rapporteur: Vincent Vadez

Outputs: Traits/breeding

Participants: Vincent Vadez, Claude Welcker, Stefania Grando, Chandra Babu, Frederico Duraes, Valerie Verdier

(Order of points is not preferential)

Competitive grant:

Implication/consideration of potential confounding factors on the response to drought stress

Nematodes → Biotic

N, Zn & Acidity → Abiotic

Competitive/commissioned:

Focus/hierarchy on a set (2-4?) of component traits that are know/behaved/considered to matter for drought tolerance in relation with the pedo-climatic scenario; choice of component traits across species, e.g., roots (rice, wheat, barley, chickpea, etc.). The list is OPEN; the list of crops is also open.

Commissioned/connected to training-networking of people:

-Cross-talk phenotyping protocols across disciplines

(breeding/physio/genomics/diversity assessment) – (people working on a given component trait, at levels [breeding etc.] “should” use similar standard protocols

Commissioned/connected to training-networking of people:

Large scale suitable phenotyping protocols for the breeding programs, which allow to screen diverse material; these protocols need to document the pedo-climatic environment at the time of experimentation (micro-meteo stations?)

Commissioned work:

Use of modeling to test the validity of potential component traits contributing to drought tolerance (in a given crop in a given environment)