RECOMMENDATIONS FROM BRAIN-STORMING I
High-throughput sequencing and genotyping
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About 100 participants- majority of them from India but some of them also from 18 other countries of Africa, Asia, Europe, North America and Australia - participated in the meeting. Following conclusions and recommendations emerged from the workshop:

(1) There is a need to have several marker genotyping centres in India, like the one already available at ICRISAT. Each of these centres should have SNP genotyping facilities including BeadXpress Vera Code (to be established at ICRISAT, if 2\textsuperscript{nd} phase of CEG approved under COE programme of DBT), GoldenGate and Infinium assays of Illumina, KASP\textsuperscript{a}r assay facilities, etc. in coordinated manner.

(2) Breeders need to be well versed in developing and using the bioinformatic tools and databases such as ISMAB. (If approved, in the 2\textsuperscript{nd} phase of CEG under COE of DBT, ICRISAT plans undertake training of some breeders for using ISMAB and other bioinformatics tools).

(3) Phenotyping facilities in the form of phenomics platforms also need to be established for precision in phenotyping. Some efforts in this direction have been initiated- but these should be further intensified and extended.

(4) In all funded projects, provision in the budget for outsourcing the genotyping work should be allowed by all funding agencies. This would be necessary, if modern breeding methodologies like MARS and GS are to be used.

(5) ICAR needs to ensure inclusion of a session on molecular breeding in annual workshops of AICRPs for all crops.