**Schedule for Course on: *“Sustainable Food Production under Climate Change”***

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|  | 9:00-10:00 | 10:00-11:00 | 11:00 11:30 | 11:30-12:30 | 12:30  14:30 | 15:30-16:30 | 16:30-17:30 | 17:30-18:00 | 18:00-19:00 | 19:30-23:00 |
| July10, Thursday |  | | | | Arrival — transportation to the Ettore Majorana Foundation at Erice *Dinner* | | | | | |
| July 11,  Friday | Welcome & Introduction  Avi Levy | The threats of biotic and abiotic stress on global Food Security  Dan Bebber | *Coffee break* | Global surveys on food and biodiversity  Ron Milo | *Lunch* | New Breeding Technologies:  Transgenesis and Genome editing  Avi Levy | Breeding in the era of whole genomes and AI—part1  Guillaume Ramstein | *Coffee break* | Presentation of grand challenges\* | *Dinner* |
| July 12,  Saturday | Conservation of crop diversity  Luigi Guarino | Agroecology—Diversified ecosystems for farming-Part1  Nicola Randall | *Coffee break* | Agroecology—Diversified ecosystems for farming-Part2  Nicola Randall | *Lunch* Excursion *Dinner* | | | | | |
| July 13,  Sunday | Microbiome in farming systems  David Zeevi | How plants deal with Drought & heat stress  Menahem Moshelion | *Coffee break* | Crop wild relatives for breeding disease resistance Francesca Desiderio | *Lunch* | Breeding for sustainable agriculture using biodiversity and high throughput phenotyping  Jacques Le Gouis | Breeding in the era of whole genomes and AI—part2  Guillaume Ramstein | *Coffee break* | New sustainable (?) food production systems  Levy and Milo | *Dinner* |
| July 14,  Monday | Teams work alone to address the grand challenge | | *Coffee break* | Teams dicuss with mentors | *Lunch* | Teams complete their talk | Team 1&2 presentatiom | *Coffee break* | Team 3&4 presentation | *Dinner* |
| July 15 Tuesday | Departure—Transportation to Airport | | | | | | | | | |

\* Students will be divided into four teams; each team will receive a grand challenge to be solved. By the end of the course, the teams will present their proposal.