Siena Summer School on Sustainable Development 2018

Programme

FIRST WEEK

During the first week, lectures and workshops addressing a wide range of topics related to sustainable development will be organised to build a common ground in the audience.

The challenges in front of us

- The science of sustainability
- History of Sustainable Development and the 2030 Agenda for sustainable development
- Economic, social, environmental and institutional challenges
  - The state of the world
  - Forecasts and scenarios for the XXI century
- The role of institutions and of relational goods
- System thinking for a "fully integrated" sustainable development
- The measurement of sustainable development and tools to incorporate the value of nature in national accounts and in investment decisions

Key drivers and risks for the future of the world

- Demographic trends and migration
- Climate change
- Degradation of natural capital and ecosystems
- Clean, efficient and affordable Energy
- Technological developments, innovation and automation
- The future of work and inequalities
- Politics and governance models
- The future of cities
- Businesses and sustainable development

SECOND WEEK

The aim of the second week is to develop more in-depth knowledge on various issues, including the use of science-based policy instruments, and develop concrete ideas to foster sustainable development, to be presented during the last day of the Summer School. Therefore, three working groups will be established, according to the preferences of students, on the following streams: policies, science and innovation, business-oriented models. To allow students to interact with each other, two daily "plenary" sessions at the beginning and at the end of each day will be organised. Experts on the various streams (including policy makers, scientists and innovators, representatives of the business sector, etc.) will interact with students throughout the week.

Stream I - Policies for sustainable development

- Demographic and health policies
- Water and food policies
- Energy policies

- Sustainable land and oceans management
- Labour and social policies
- Innovation policies
- Education and cultural policies

Stream II – Science and innovation for sustainable development

- The human - nature relations and feedbacks
- New materials and new industrial processes
- Architecture and engineering for a sustainable world
- Sustainable mobility
- Eco-design and circular economy
- The data revolution for sustainable development

Stream III – New business-oriented models for sustainable development

- The role of the private sector
- Innovative business models: from circular economy to B-corps
- Finance for sustainable development
- Integrated reporting
- Relationships with stakeholders