

Introduction to Geospatial Technologies for Achieving and Monitoring SDGs: Food Security and Digital Agriculture

July 25-29, 2022, Budapest

Tentative Course Schedule	
Monday	Course Introduction. Need for Geospatial Solutions
1 st session	Orientation and Introductions
2 nd session	Food Security and Digital Rural Transformation: challenges, needs and solutions
3 rd session	<i>Earth Observations for sustainable development</i>
4 th session	<i>Individual project and networking time</i>
Tuesday	Solutions: Geographic Information Systems
1 st session	<i>Geographic Information Management and Analysis</i>
2 nd session	<i>Leveraging geospatial science for monitoring and evaluating progress towards the Sustainable Development Goals</i>
3 rd session	<i>Analysis of Land Use/Land Cover and Associated Population Patterns</i>
4 th session	<i>Individual project and networking time</i>
Wednesday	Solutions: Remote Sensing
1 st session	<i>Introduction to Remote Sensing</i>
2 nd session	<i>Practical Session on Remote Sensing</i>
3 rd session	<i>Using Cloud Services for Big (satellite) Data analysis in Agriculture</i>
4 th session	<i>Individual project and networking time</i>
Thursday	Application of Geospatial Technologies: examples and solutions by domains
1 st session	<i>Precision Agriculture</i>
2 nd session	<i>Disaster Risk Reduction</i>

3 rd session	<i>Using Open Source Solutions and Citizen Science Data in agricultural research and digital transformation of rural areas</i>
4 th session	<i>Individual project and networking time</i>
Friday	Application of Geospatial Technologies: examples and solutions
1 st session	<i>Digital Transformation of rural areas</i>
2 nd session	<i>Digital Villages</i>
3 rd session	<i>Presentations by participants</i>
4 th session	<i>Course wrap up and certificate ceremony</i>

Several independent trainings and workshops will be offered by GeoHUB back-to-back with this course. The events will be targeted on getting and mastering practical skills in the discussed technologies and will be open to the course participants on the competitive basis. Please follow the updates at <http://isepei.org>