



CIRGEO

Interdepartmental
Research Center of
Geomatics



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



GIS day 2023 @Agripolis

Spatial Data for Research,
Representation and Evidence-
Based Decisions

JOIN US TO EXPLORE SPATIAL
DATA'S ROLE IN AGRIPOLIS
CAMPUS RESEARCH
ACTIVITIES!

15 NOVEMBER 2023 | AULA 14P PENTAGONO | 09:00 – 17:00

LANGUAGE: English

(some presentations in Italian but with English slides)

FINAL PROGRAMME AND ZOOM REGISTRATION LINK: in
the "News" section of the CIRGEO website
www.cirgeo.unipd.it

Social: **@cirgeo.unipd**



EVENTO ACCREDITATO DA
ORDINE DEI DOTTORI AGRONOMI E
DOTTORI FORESTALI DI PADOVA
(0,125 CFP / H PRESENZA)



ORDINE
DEI DOTTORI AGRONOMI
E DEI DOTTORI FORESTALI
DELLA PROVINCIA DI PADOVA



Ministero della Giustizia



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Programme

09:00

WELCOME REMARKS

09:10

Mappatura delle isole di calore urbano e della giustizia climatica a Padova
Salvatore Pappalardo (ICEA Department, University of Padova)

09:30

Extreme Citizen Science for Climate Justice in Ecuadorian Amazon. Estimating the Health Risks of Gas Flaring Supporting the Campaign "Apaguen los Mecheros"
Francesco Facchinelli (Department of Historical and Geographic Sciences and The Ancient World, University of Padova)

09:50

Analisi Geografica dell'Espansione Petrolifera e della Crescita Urbana nell'Amazzonia Ecuatoriana
Daniele Codato (ICEA Department, University of Padova)

10:10

Detection, segmentation, and classification of surface obstacles in automating terrain trafficability assessment
Gunta Grube (TESAF Department, University of Padova)

10:30

A GIS on the Borders. Mapping the Cultural Landscape Along the Limes Numidicus (Algeria)
Andrea Meleri (Cultural Heritage Department (dBC), University of Padova)

10:50

From Clouds to Pixels: an Evaluation of 3D Reconstruction From UAV Imagery Using Different Structure-from-Motion Tools
Alberto Udali (TESAF Department, University of Padova)

11:10

COFFEE BREAK

11:40

Geospatial methods for health surveillance
Giorgia Stoppa (Unit of Biostatistics, Epidemiology and Public Health, DCTVPH, University of Padova)

12:00

Observation of Marmolada glacier with space cameras
Lorenzo Olivieri (CISAS "G. Colombo", University of Padova)

12:20

Spatial data plotting in Python combining GEE work flow.
Bowen Cao (TESAF Department, University of Padova)

12:40

Satellite-based energy models to estimate crop yield. An automatic approach at the regional scale.
Davide Gabrieli (DAFNAE Department, University of Padova)

13:00

LUNCH BREAK

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AFTERNOON

- 14:10** Il GeoPortale di ARPA Veneto
Annalisa Schiavon (ARPAV, Dipartimento Transizione Digitale e ICT)
- 14:30** Identification of soil tillage operation by satellite remote sensing
Daniele Pinna (TESAF Department, University of Padova)
- 14:50** Beavers at the Helm: Unraveling the Role of Eurasian Beaver Populations in Ecological Restoration through Species Distribution Modeling
Harin Aiyanna (TESAF Department, University of Padova)
- 15:10** Multi-temporal analysis to support the management of torrent control structures
Lorenzo Martini (TESAF Department, University of Padova)
- 15:30** Integrating LiDAR and GIS in fire behaviour modeling in windthrown prone forested systems
Luca Mauri (TESAF Department, University of Padova)

BREAK

- 16:00** Animal Reservoirs and Large Domestic Populations: Spatial Analysis of Porcine Circovirus Type 2 (PCV-2) Cases in Wild Boars Hunted in the Provinces of Verona and Vicenza, and Porcine Circovirus Diseases (PCVD) Cases in Intensive Pig Farms
Giulia Faustini (MAPS Department, University of Padova)
- 16:20** High-Resolution UAV Images For The Early Detection Of The European Spruce Bark Beetle Infestations
Aurora Bozzini (DAFNAE Department, Università of Padova)
- 16:40** Climate change challenges in vineyards in North-East Italy.
Vincenzo Baldan (TESAF Department, University of Padova)
- 17:00** ArcGIS dashboards in action: i dati live come li vuoi tu
Roberto Rossi (Dipartimento di Geo scienze, Università degli Studi di Padova)

CLOSING REMARKS

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