HORIZON 2020



EU projects - experiences



Přemysl Štych

Department of Applied Geoinformatics and Cartography, Faculty of Science

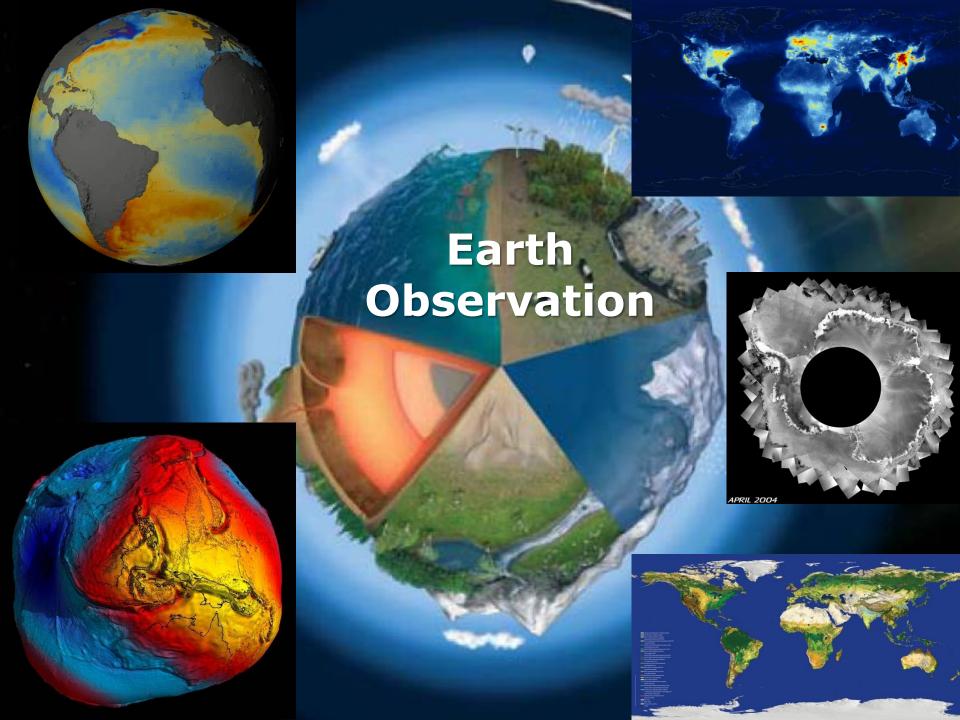
mail: stych@natur.cuni.cz

The Department of Applied Geoinformatics and Cartography

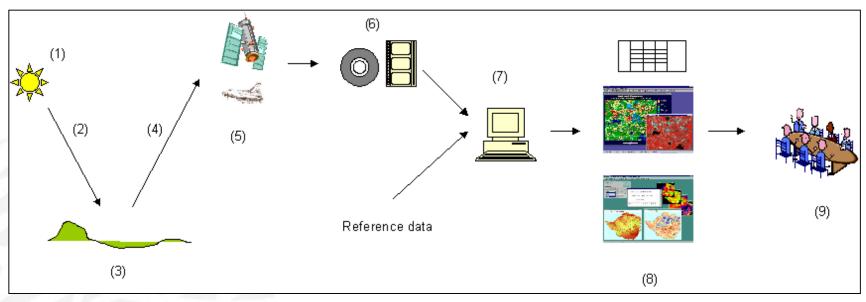
- Research and Education in the fields of:
 - Remote sensing and photogrammetry
 - GIS a geodatabases
 - Cartography
 - Computational geometry, algorithm development & programming
 - Geodetic and surveying methods of data collection

Research team: EO4Landscape

- Earth Observation (EO)
- Land Use/Land Cover (LUCC)
- Capacity building and education in GIS and EO



Earth Observation/Remote Sensing









Copernicus Programme

Copernicus – a new Phase in EO



European Earth Observation System

- Led by the EU
- EU-ESA Collaboration

European response to global needs:

- to manage the environment
- to mitigate the effects of climate change
- to ensure civil security

European independence, contribution to global system (GEOSS)





International projects:

PULCHRA - Science in the City: Building Participatory Urban Learning Community Hubs through Research and Activation, Horizon 2020 (ID 824466), 2019-2022

Framework Partnership Agreement on Copernicus User Uptake (FPCUP), European Commission (ID 275/G/GRO/COPE/17/10042), 2018 - 2023

Earth Observation for Economic Empowerment (EOPOWER), 7th FWP (Seventh Framework Programme), 2013-2015 Project ID: 603500, FP7-ENVIRONMENT,

GEO Network for capacity building (GEONETCAB), 7th FWP (Seventh Framework Programme), 2009-2013, Project ID: 244172, FP7-ENVIRONMENT,

International projects:

EO4Edu - Earth Observation for Education, Erasmus + (2020-1-UK01-KA201-079007), 2020 - 2023.

Earth Observation Capacity Building for Baltic Countries and Eastern Europe, ESA Contract No. 4000108374/14/I-BG, 2013-2018

Young Scientists as Change Explorers - Students Evaluating Environmental Change in Europe with Digital Space Technologies (YCHANGE), Programme Erasmus+, Key Action KA2 - Cooperation for innovation and the exchange of good practices, ERASMUS + EC: 2016-1-DE03-KA201-023127, 2016 – 2018,

European Space Education Resources Office - ESERO CZ (Vzdělávací kanceláře Evropské vesmírné agentury), supported by ESA, 2016 –

A partner of the projects with budget ca 40 000,- Euro per year











SEVENTH FRAMEWORK PROGRAMME





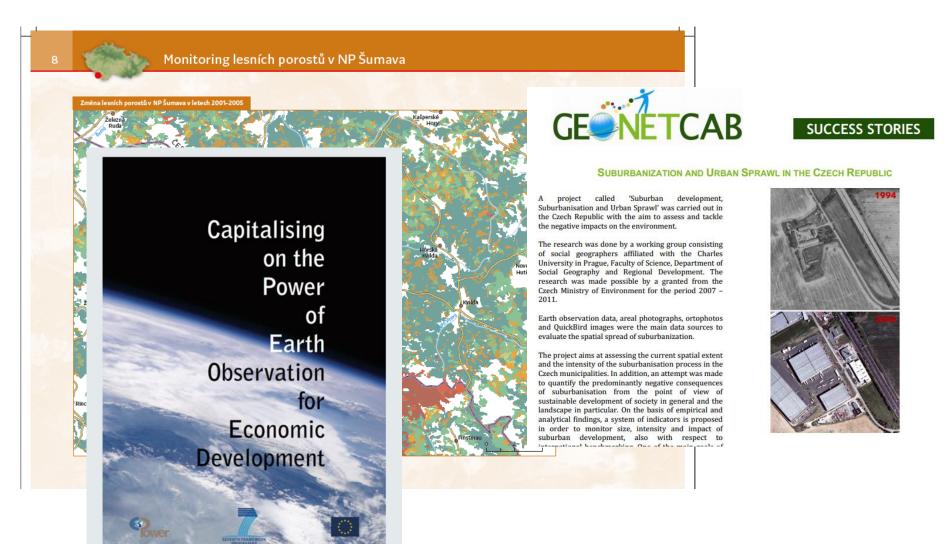








Bringing Science and Research into Practice





ACCES PORTAL

Home Project Overview Consortium Associated partners Work Packages Events Resource centre EOPOWER Discussion Contact

Earth Observation for Economic Empowerment



QUICK WIN PROJEC

Password *

Username *

Capacity building needs

The purpose of the EO nt through the increased use of Earth observation products and services for environmental applications. This purpose serves the higher goal of effective use of Earth observation for decision making and management of economic and sustainable development processes.

The EOPOWER project builds on the results of the GEONetCab, BalkanGEONet, OBSERVE, enviroGRIDS, SEOCA and EGIDA projects. The GEONetCab project produced global and regional marketing studies, success stories, marketing toolkits and valuable feedback from promotion activities and quick-win projects. This enables the EOPOWER project and the partners involved to benefit fully from the experience of the GEONetCab and the other projects.



PROMOTION

H2020 Project PULCHRA

https://pulchra-schools.eu/



HOME

PROJECT V

RESOURCES v

NEWS ~

CONTACT

B PLATFORM

Q

AROUT

open activities

"Meet the scientists – Introduce science in the city – approach the city as an urban ecosystem".

hai riciharilik actionia ro exhini er i liese mili

- · build good scientific knowledge;
- · promote expert and community participation;
- and encourage active engagement in shared living environments and futures.



City Challenges have been designed to link with the UN Sustainable Development Goals, a universal call to action to end poverty, protect the

H2020-EU.5.d. - Encourage citizens to engage in science through formal and informal science education, and promote the diffusion of science-based activities, namely in science centres and through other appropriate channels

Copernicus User Uptake

https://www.copernicus-user-uptake.eu/



Welcome to the project homepage of FPCUP

Objectives

The primary objective of the FPCUP-project is to increase the number of Copernicus users and applications derived from Copernicus based on user requirements. Furthermore, the project aims at expanding the existing markets and creating new markets and competitiveness of European Earth Observation downstream operators.

General objectives:

- 1. promote the use of earth observation in applications and services;
- 2. foster the development of a competitive European space and service industry and maximise the opportunities for European enterprises to develop and provide innovative Earth observation systems and services;
- 3. strengthen the European autonomous access to environmental knowledge and key technologies for Earth observation and geo-information service and thereby enable Europe to achieve independent decision-making and action.

Different activities (actions) adress international, national, regional or local authorities, researchers or enterprises.

Remarks and experiences

- Think and act internationally from the beginning of your career
- Try to gain experience in the international field, create a network of collaborators
- Be a reliable and teamworking person
- Try to solve your field of interest in broader dimensions stakeholders, endusers, cooperation of universities, state and private sector
- Search and have an awareness about international project calls
- Bringing actively your ideas and proposals
- Don't be afraid to start an international project: there could be a higher chance of to get support than in some cases of domestic projects
- Do not hesitate and contact faculty project units/departments

Remarks and experiences

- The main coordinator of the project plays a key role
- The central idea of the project is important to reserve a longer time for the preparation of the project proposal, the partners must be close/believed to the main content and mission of the project (do not write a project just for the project)
- Reflect the EU's strategic goals "story"
- An adequate and structurally balanced budget
- Structure and content of WP (promise achievable outputs, properly defined at the beginning)
- Input signed recommendations of stakeholders/important persons
- Structure and number of partners (geopolitics and institution)

Remarks and experiences

- To create a team with wider roles and status of the collaborators (management, administration, research...PhD students, academy staff, technical and administrative support)
- During the project, to take into account certain differences in terms of work habits, approaches of partners
- The project should have a strategic goal, not just a financial one: try to make the best for further project opportunities
- What will happen when the project is over?
- Actively present the project, results and search end-users
- Significant support from the administrative and project departments of the Faculty of Science

Thank you for your attention

Přemysl Štych: stych@natur.cuni.cz