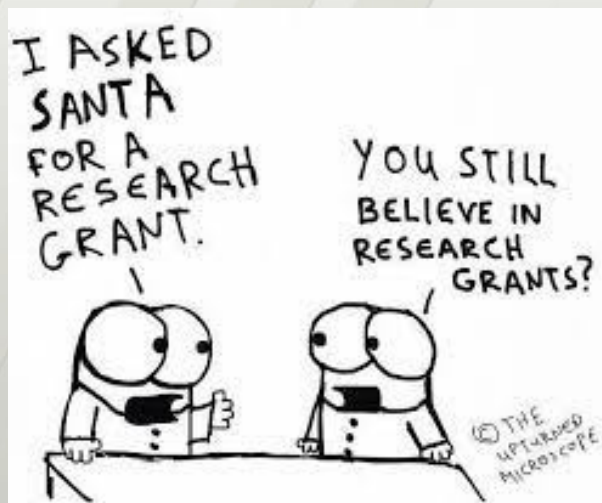SEMINARIUM

Międzynarodowe projekty naukowe: źródła i możliwości finansowania, tworzenie partnerstw
Analiza przykładów (wnioski, projekty, plany)
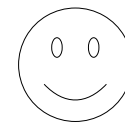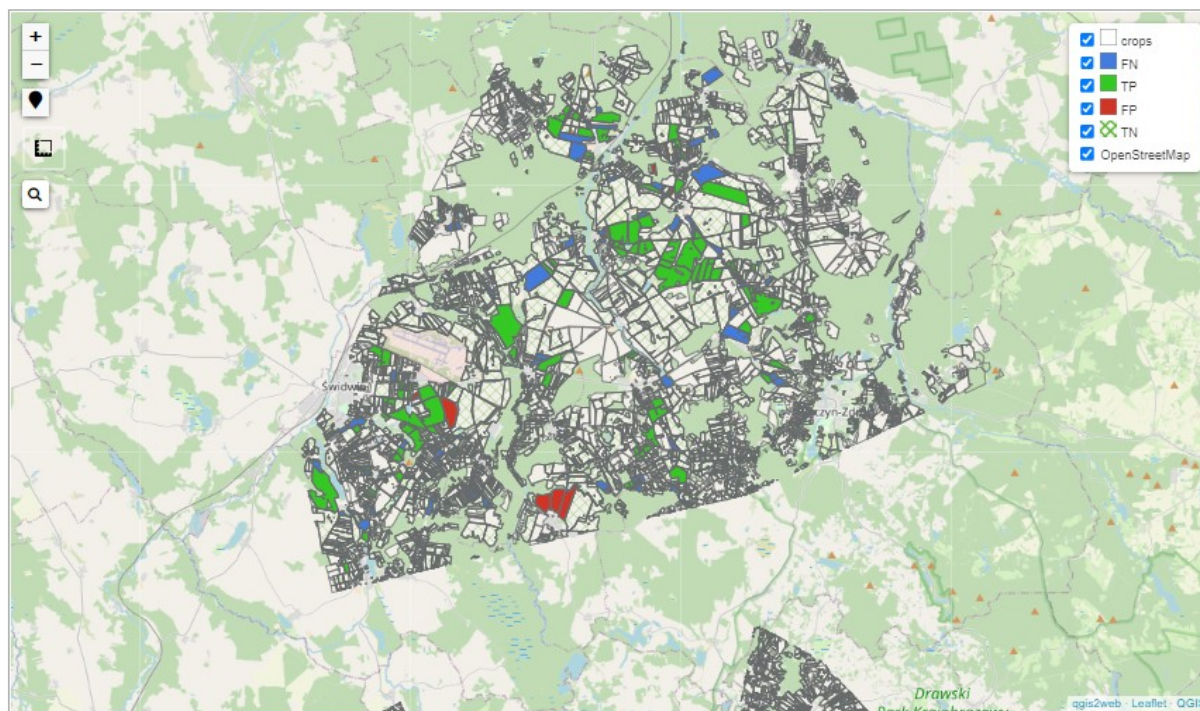B.Hejmanowska

11 listopada 2022 r.
Wydz. GGiIŚ, AGH Kraków

- *2022 **NIVA** New IACS Vision In Action*
- 2018 – 2019 **AMMER** Automated Method for Measuring Eutrophication of Inland Water Using Remote Sensing – **ESA, EU (200 000 EUR)**
- 2016 - 2018 **CHT2** - Cultural Heritage Through Time Joint Programming Initiative on Cultural Heritage and Global Change: a new challenge for Europe HERITAGE PLUS Call **EU (400 000 PLN)**
- *2017 - External quality control under digitalisation of **land parcel identification system**, Turkey - **Agrotec S.p.A. - EU***
- *2009 – 2011 Monitoring and high spatial resolution information extraction for agricultural resources, **JRC, EU***
- 2007 Processing airborne data to **Digital Surface Model and Digital Terrain Model,** Joint Research Centre
- 2006 – 2007 Estimation of the measurement error of parcel areas measured on **VHR SAR data**, **JRC, EU**
- 2005 Validation of methods for measurement of land parcel areas – **near-VHR imagery**, **JRC, EU**
- 2005 **Validation** of methods for **measurement** of land parcel areas, **JRC, EU**
- 2002 **Airborne spectrometry** for abandoned mine site classification and environmental monitoring at the Machów sulphur mine district in Poland **DLR, EU**
- *2001 Elaboration of assumptions for building up of National Land Parcel Identification System (LPIS) as an element of Integrated Administration and Control System (IACS)" , Samecki 5 – PHARE – PL – PAO/AGR*
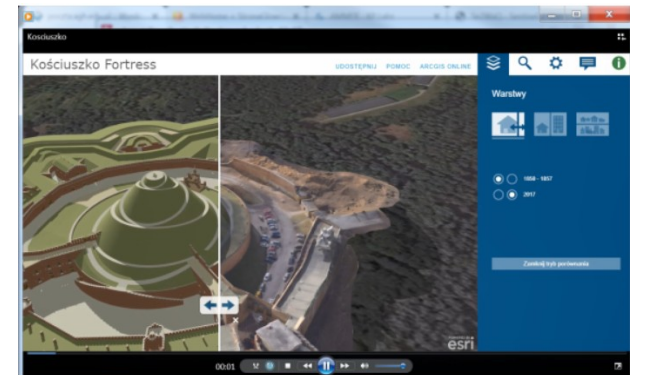
- Impakt – **zmiana regulacji UE** polegająca na uproszczeniu przepisów kontrolnych

Wdrożenia

- 2018 – 2019 **AMMER** Automated Method for Measuring Eutrophication of Inland Water Using Remote Sensing, współpraca z informatykami ;-/

- 2016 - 2018 **CHT2** - Cultural Heritage Through Time Joint Programming Initiative on Cultural Heritage and Global Change: a new challenge for Europe HERITAGE PLUS Call sukces ;-)

Wnioski HORYZONT 2020

HORYZONT 2020 – kryteria oceny

excellence	impact	quality and efficiency of the implementation

SCORING

Scores must be in the range 0-5.

Interpretation of the score:

*0– The **proposal fails to address the criterion** or cannot be assessed due to missing or incomplete information.*

*1– **Poor**. The criterion is inadequately addressed, or there are serious inherent weaknesses.*

*2– **Fair**. The proposal broadly addresses the criterion, but there are significant weaknesses.*

*3– **Good**. The proposal addresses the criterion well, but a number of shortcomings are present.*

*4– **Very good**. The proposal addresses the criterion very well, but a small number of shortcomings are present.*

*5– **Excellent**. The proposal successfully addresses all relevant aspects of the criterion.Any shortcomings are minor.*

Integrated innovative IT solution for enhancing research use of Sentinel data by scientific and industrial stakeholders

1,5 mln EUR

nr	excellence	impact	quality and efficiency of the implementation	suma	próg	%
4	2	2,5	2,5	7	10	0,67

Criterion 1 - Excellence

Score: **2.00** (Threshold: 3/5.00 , Weight: 100.00%)

Note: The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme. If a proposal is partly out of scope, this must be reflected in the scoring, and explained in the comments.
Clarity and pertinence of the objectives

The proposal intends to enable the use of Sentinel data in the field of geological applications with a special perspective on river valley and open-pit mining monitoring. The objectives of the project are relevant with respect to the Call and the overall goal of the proposal is clear. However, the project addresses the scope of the Call only to a very limited extent, since it is focused solely on a specific use case for the Sentinel data. Also, some of the specific objectives (e.g. Obj. 6) are not presented in sufficient clarity, and they are not sufficiently connected to measurable success criteria.

Credibility of the proposed approach

While the development phase of the project is principally described in a clear and comprehensible way, the design of the implementation phase lacks clarity. It is, for example, understood that the success of the proposed project critically depends on the performance of the Sentinel image fusion process. However, this essential part of the proposal is insufficiently documented.
Even though the proposal is relevant in terms of objectives the level of technical detail provided about the core of the project ("Project/Implementation Phase") does not allow to exhaustively assessing its credibility.

EuroPean wars and cultural heritage in the 20th Century 2,5 mln EUR

nr	excellence	impact	quality and efficiency of the implementation	suma	próg	%
3	3,5	4	4	11,5	10	0,67

Criterion 1 - Excellence

Score: **3.50** (Threshold: 3/5.00 , Weight: 100.00%)

Note: The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme. If a proposal is partly out of scope, this must be reflected in the scoring, and explained in the comments.
Clarity and pertinence of the objectives
Credibility of the proposed approach
Soundness of the concept, including trans-disciplinary considerations, where relevant
Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. ground-breaking objectives, novel concepts and approaches)

The objectives of the proposal are in line with the work programme, pertinent and well placed in a larger theoretical framework. They are all very well justified and elaborated, with adequate evidence of their innovation potential, cognitive value and transdisciplinary features. The proposal outlines a highly innovative approach, supported by the deep knowledge of the field and presented in a remarkably attractive way. This proposal has a great ambition to establish a new knowledge of social attitudes towards war monuments, which intends to facilitate knowledge-exchanges between humanities, social scientists, IT researchers, SMEs and heritage stakeholders to generate socially and policy relevant outputs. However, the proposal is not sufficiently clear on how the digital processing of data may result in the promised new paradigm for war heritage sector. The approach as presented leads to the supremacy of technology over content.

The concept of this research is not convincingly explained, for example regarding the choice of case studies. Furthermore, what lacks in the proposed approach is the conceptualisation of such variables as cultural values and political ideologies. In addition, it is unclear what is the role of the historical research in the conceptual model of social ontology of war monuments.

Plany

AGH

Blok modułów specjalizujących: Geoinformatyka, fotogrametria i teledetekcja

Badania - NEW AGH Konkurs - Działanie 4

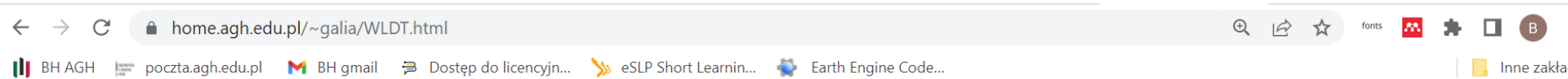Publikacje

Archiwum

Wydziałowe Laboratorium Danych Teledetekcyjnych

Akademia fotogrametrii, teledetekcji i geoinformacji

Katedra Fotogrametrii Teledetekcji Środowiska i Inżynierii Przestrzennej

Wydział Geodezji Górniczej i Inżnierii Środowiska Strona główna uczelni: Akademia Górniczo-Hutnicza w Krakowie

Plany

Wydziałowe Laboratorium Danych Teledetekcyjnych

HYDROSTRATEG 9/2022

Plany GFTSiIP 2022, 23.02.2022

Kierunek: Remote sensing

Seminarium 02.12.2021 - Akademia fotogrametrii, teledetekcji i geoinformacji

Seminarium 30.11.2020

Cele:

1. Integracja danych teledetekcyjnych z różnych pułapów: satelitarny, lotniczy, drony, naziemny (w tym geodezja: MLS, TLS, tachymeter) oraz pomiarów nieteledetekcyjnych in-situ (pomiar komponentów środowiska: powietrze, woda, gleby, roślinność, również RTN...)
2. Utworzenie serwisu internetowego w celu udostępniania danych na potrzeby:

   - badań (wymiana doświadczeń, wspólne badania na platformach: Jupiter Notebook, Google Earth Engine, własne...),
     - Kaggle offers a no-setup, customizable, Jupyter Notebooks environment. Access free GPUs and a huge repository of community published data & code.