From DRDSI to Open Danube
Danube regional cooperation for improved spatial data and services sharing to support the better governance and sustainable development

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**Content**

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Motivation for regional cooperation

- Danube river region:
  - 1/5 of EU territory
  - Cultural diversity => 14 countries, more than 20 languages
  - Danube - second longest river in Europe and longest in the EU (2,848 km)

Source: DTP
Motivation for regional cooperation

- Danube region is facing various challenges on:
  - Political and organisational level
Motivation for regional cooperation

• Danube region is facing various challenges:
  • Policy & technical level

Source: EUR-Lex, DRDSJ, INSPIRE CZ, SK, SK Bathing waters
Motivation for regional cooperation

• Danube region is facing various challenges:
  • Societal and individual level

Source: Eurostat, INSPIRE.EU, Open Data Barometer, Express
Response for challenges

• Need for platform to share resources and knowledge
  • EU Strategy for the Danube Region (EUSDR)
  • Scientific Support to the Danube Strategy
  • Danube Reference Data and Service Infrastructure
    • Online open platform for publication, discovery, view and download data/services from:
      • European Commission
      • National and international stakeholders
      • European, regional and national projects
Response for challenges

- Need for platform to share resources and knowledge
  - Danube Reference Data and Service Infrastructure
  - Collaboration

EC DG JRC Danube project team  DANUBE_NET  Stakeholders
Achieved results

- Established and operational macro-regional data and service infrastructure providing:
  - **Updated single access** point to data resources from the Danube Region
  - **Community platform** to share the knowledge across the stakeholders and networks
Achieved results

- **State of play reports**
- Pilots, demonstrating the potential of the infrastructure

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<th>TOPIC</th>
<th>Contractor</th>
<th>Country</th>
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<td>Data mapping and transformation Pilot</td>
<td>WeTransform GmbH</td>
<td>Germany</td>
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<td>Data Harmonization Pilot: Macroregional indicators use case</td>
<td>University of Salzburg</td>
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<td>DRDSI local node in Serbia</td>
<td>Milan Kilibarda</td>
<td>Serbia</td>
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<td>THEMATIC DATA HARMONIZATION PILOT: CULTURAL HERITAGE USE CASE</td>
<td>Istituto Superiore Sui Sistemi Territoriali per l’Innovazione</td>
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<td>Data harmonisation Pilot: Urban Agriculture App</td>
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<td>Data harmonisation Pilot in Ukraine</td>
<td>Agency for the Property Rights and Land Relations in the fuel-energy complex</td>
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<td>National Danube service node in Ukraine</td>
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<td>Data Harmonisation Pilot in Moldova</td>
<td>Agency for Land Relations and Cadastre of the Republic of Moldova</td>
<td>Moldova</td>
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Achieved results

• Community building and disseminations
  • Workshops
    25.06.2014: Vienna, AT
    03-04.11.2014: Belgrade, RS
    16-17.04.2015: Chisinau, MD
    26-29.10.2015: Ulm, DE
    26-27.11.2015: Odessa, UA
    22-23.02.2016: Ispra, IT
    23-24.06.2016: Bucharest, RO
  • DanubeHack
    15-17.10.2015, Bratislava, SK

• Publications
  • Danube Region Data Projects Report
  • Cross –border Data-sharing Pilots Report
  • Translated DRDSI Information Leaflets
Main observations

- DRDSI has been a good process/model of collaboration
- High potential for further re-use / redeployment in other multi-stakeholder cross-border projects
- Some challenges in the region has been addressed through the pilots as demonstrators to offer lessons for others
- Outstanding issue remains missing or fragmented data policy
- Impact on making it hard to give access to reusable data sources
Examples of outcomes

- **SMARTLAND** – Urban agriculture app

  App for easy identification of vacant land in cities of Danube Region, its type and quality
Examples of outcomes

- INSPIRE SK Open Land Use Map
  Developed in cooperation with SDI4Apps project
Examples of outcomes

- HU Open Land Use Map

Starting position

Urban Atlas
OSM Land Use
CLC 2012
Nuts3
Examples of outcomes

• INSPIRE CDDA Map
  Developed in cooperation with DataCove
  Reuse of EEA Data
  Provided as WFS
  Uses prototype schema created by EEA
  Data provision with GeoServer
What’s next

• Finalization of remaining outcomes
• Presenting the final results
  • 3-4.11.2016: 5th EUSDR Annual Forum, Bratislava, SK
• Stimulate the further re-use
• Scenarios for sustainability via:
  • Open Danube Danube Transnational Programme project proposal
  • Existing organisational structures
  • Newly established body
Thank you & questions

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