MEETING AT THE CAPSELLA WORKSHOP IN PONTEDERA/IT

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www.foodie-project.eu

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FOODIE

FARM-ORIENTED OPEN DATA IN EUROPE

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FOODIE THE PROJECT

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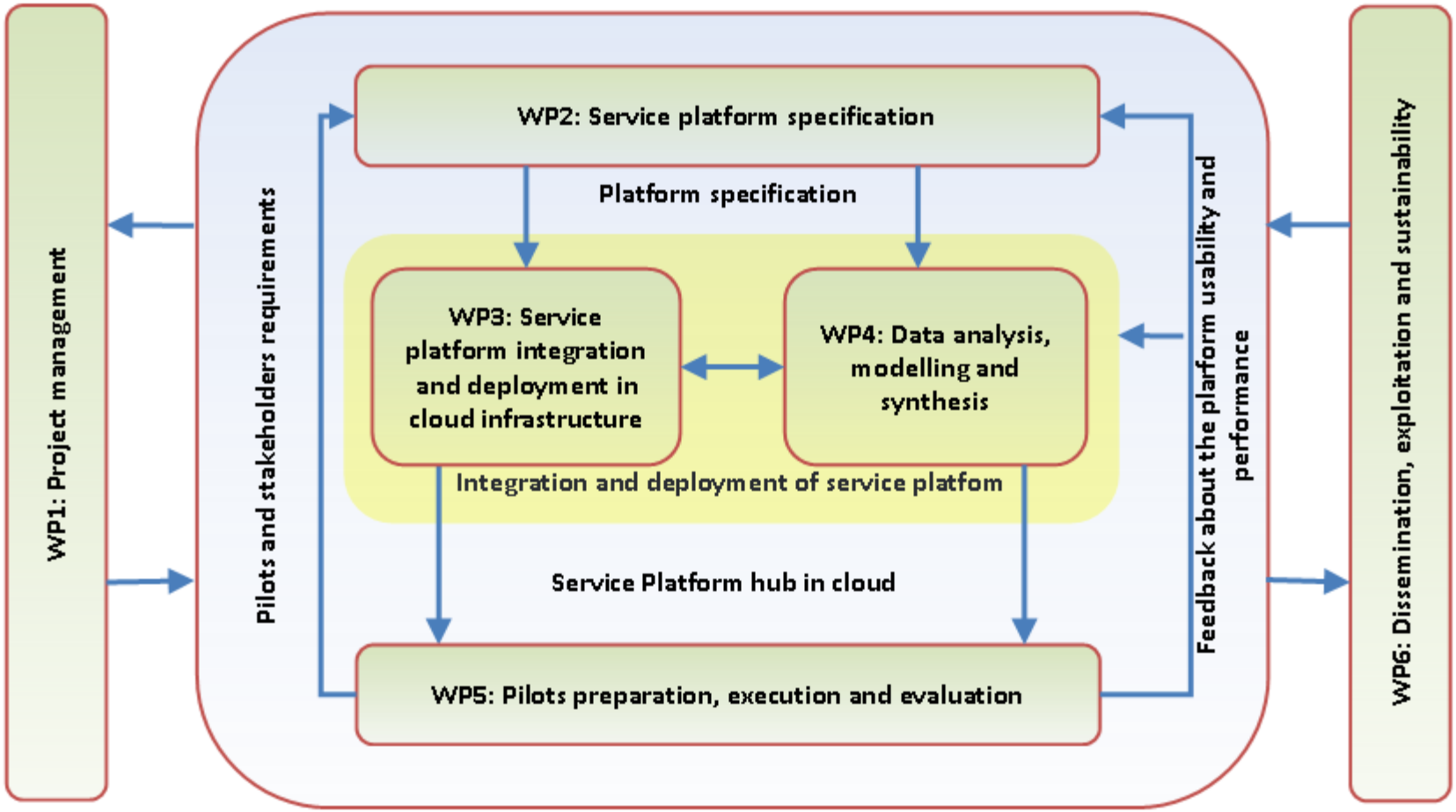

WHY NEEDED

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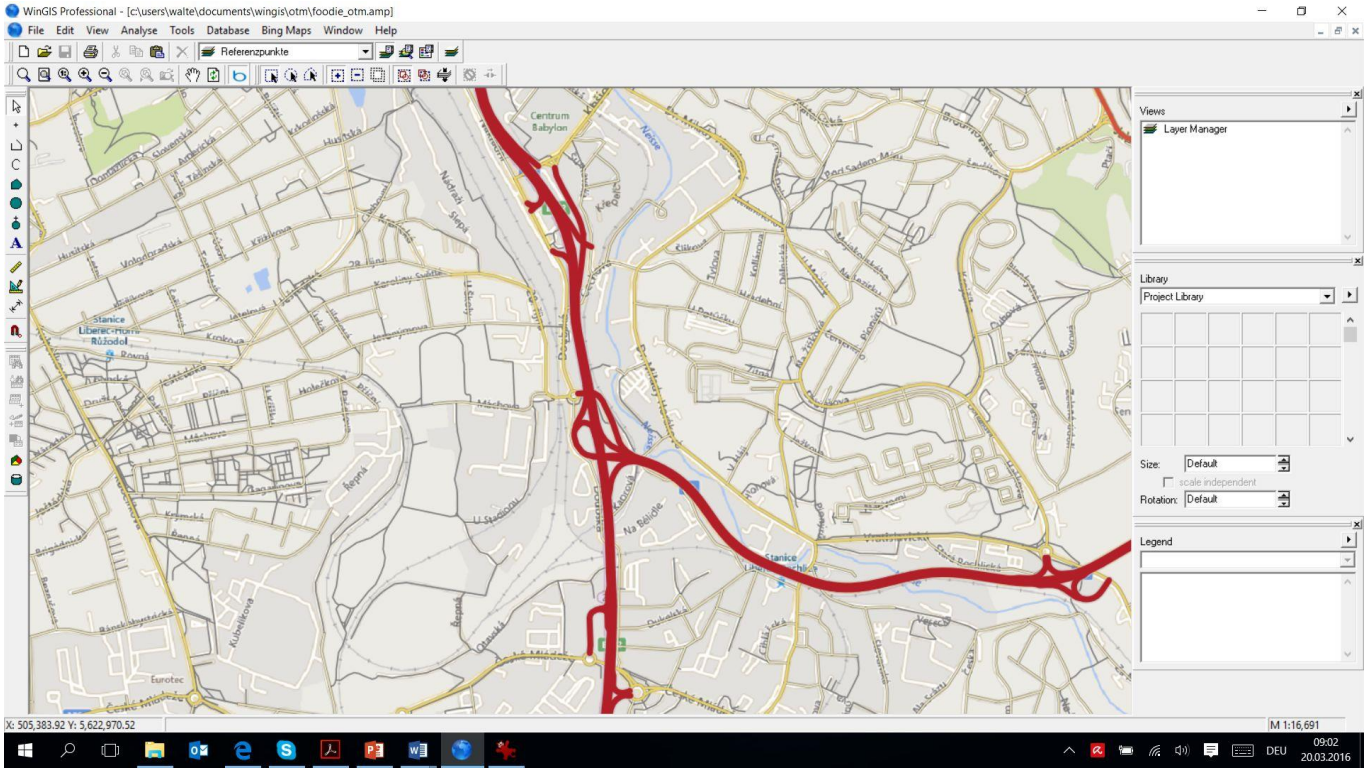
- **Managing agriculture, forestry or environmental tasks needs basic data like**
  - Orthoimage and LPIS data as fundament to plan
  - Road network enlarged with rural roads for better planning
  - Soil maps – digital – as WMS service, if av. geological data
  - General planning data integrated
  - Meteorological data
  - …….
- **Data have not to be shown on internet only but must be seamless integrateable/integrated into farmers or farm advisory services and their tools**
    - (1) LPIS and public needs
    - (2) Farm management and advisory service
    - (3) logistics and stakeholder integration for group management
    - (4) Precision farming – Precision forestry
    - (5) smart rural area planning WITH farmers



OTM (=OSM + routing) from FOODIE linked as WMS service to WinGIS or other WMS enabled technologies

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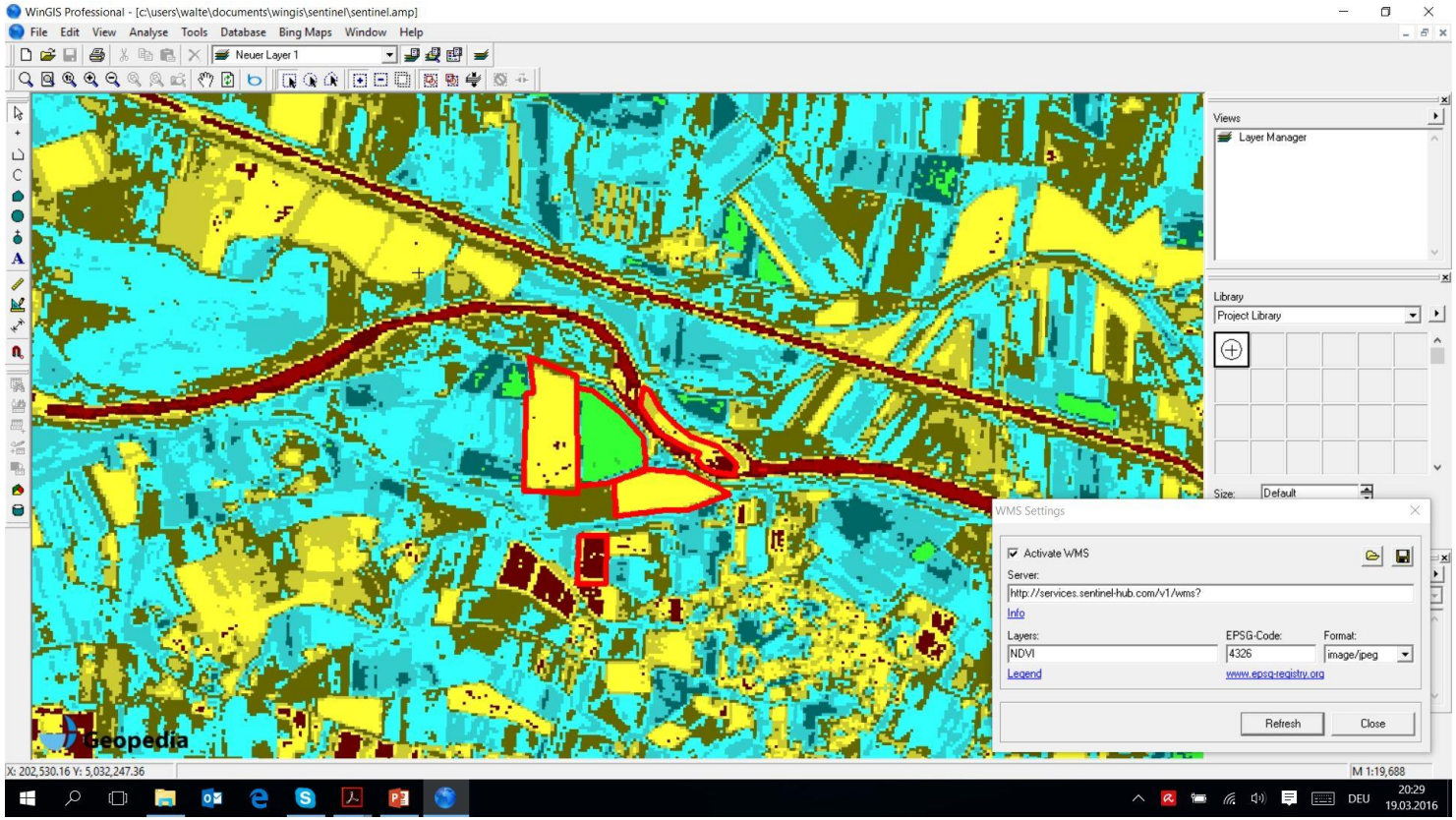
WinGIS with limited functions as API for WinPhone

- called WinGIS mobile
- First version as Windows mobile version (BING images)
- planned also for Android and iOS
- access via WMS to servers (FOODIE!)
- Step 1 - viewing of orthoimages (BING or other image)
- Due to GPS used = opening of the right orthoimage

- **Following functionalities:**
- Define a polygon
- Edit a polygon
- Delete a polygon
- Insert a text to it
- List of layers
- Delete DB
- Send an email with graphical data



Sentinel NDVI image as WMS service within WinGIS professional and as service sent via JPEG to smartphones and via bluetooth to machine hardware as fundament for PF

ACHIEVEMENTS

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EXPLOITABLE RESULTS I:

• FOODIE Service platform	ALL
• Marketplace	PSNC, ALL
• OGC WPS Component for NetGIS Server	Netcad
• Precision Farming module for Analyst	Netcad
• Data semantization tools	CTIC
• FOODIE data model	ALL
• FOODIE semantic vocabulary	Team
• IaaS component	PSNC
• DBaaS component	PSNC
• Semantic repository	PSNC
• Semantic annotation service	PSNC
• Linked data publication service	???

ACHIEVEMENTS

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EXPLOITABLE RESULTS II:

• Environmental monitoring	WRLS, Lesprojekt, TDF
• Effectiveness of machinery services	WRLS, Lesprojekt, TDF
• Logistics and operational farm planning	WRLS, Lesprojekt, TDF
• Agrometeorological assessment	WRLS, MJM, TDF
• Image interpretation for fertilization, crop protectio	WRLS
• WinGIS and WinGIS Web	PROGIS
• DokuPlant and (DokuPlant Web)	PROGIS
• Logistic and Logistic Web	PROGIS
• Expert data agro	PROGIS
• Precision Viticulture	Seresco
• Stakeholder database 80.000 adresses	t.b.d.
• Training material	All

DATA AVAILABILITY

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- DATA:
- DATABASE of existing data
- OSM – Open Street map (WRLS) with
  - Option to increase it to a Rural OSM
  - with routing functionalities
- Access to BING maps with WinGIS and application (GIS, Farm Management, Forest Management, Logistics and mobGIS, land consolidation, …
- Negotiations with 28 member states to open orthoimages and make them available on FOODIE server or as WMS service generell (free or click priced)
- Negotiations with 28 member states to open soil maps as available and make them available on FOODIE server or as WMS service generell (free or click priced)

FUTURE TASK - OWNERSHIP OF DATA:

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- Ownership of data:
- When we start to split
  - Ownership of a piece of land AND
  - Ownership of the data of this piece of land
    - independent if public or private owns the data,
  - we shake on the fundament of our democracy!
  - We will loose responsibility for the land and
  - automatically will loose sustainability as
  - „No sustainability is possible without responsibility“
  - ATTENTION: This happens already today!!

Dissemination

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- Next FOODIE meeting
- 21.6.2016 in VILLACH - Austria
- 22.6. 2016 – 9.00 – 12.00 Open Workshop followed by
- 22.6.2016 – 13.00 – 24.6.: AgriFutureDays 2016
- Details see www.agrifuturedays.com
- If interested send email to office@clubofossiach.com or
- mayer@progis.com

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Thank you for your attention

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