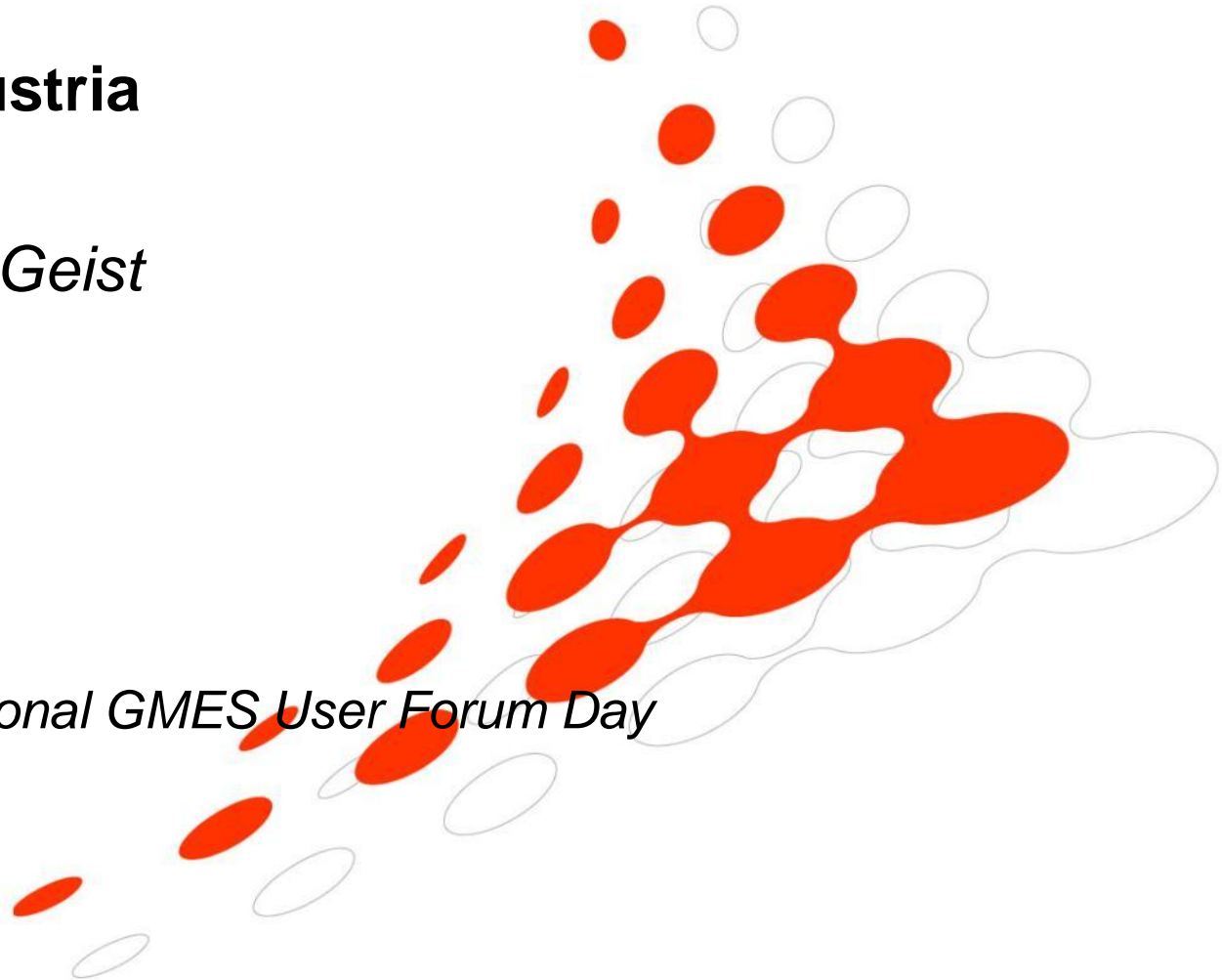


GMES in Austria

Dr. Thomas Geist
FFG/ALR

1st Czech National GMES User Forum Day
Praha
29 May 2012



Presentation outline



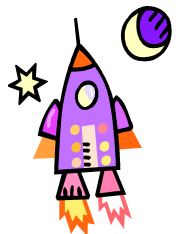
- Introduction
- GMES – Organisation and responsibilities in Austria
- GMES – Involvement of Austrian actors on European level
- GMES – Implementation activities in Austria
- Conclusions



- „The one-stop-shop for industrial and applied research in Austria“

ALR – Aeronautics and Space Agency

- „Implementation of the Austrian Space Policy“
- Management of ESA activities
- Information and network activities
- Management of the national R&D funding programme ASAP (Austrian Space Applications Programme)
- Education and training activities
- GMES Contact Point



GMES – Organisation in Austria

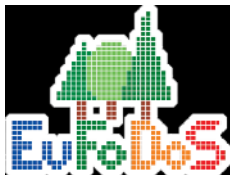


- The *Federal Ministry for Traffic, Innovation and Technology (bmvit)* coordinates GMES on national level
- The coordination on national level is supported by the *Interministerial Group for Space (IMG SPACE)*, involving all relevant federal ministries and agencies
- The *Aeronautics and Space Agency of the Austrian Research Promotion Agency (FFG/ALR)* is entrusted with implementation activities (GMES Contact Point)
- The *Federal Environmental Agency (UBA)* and the *Federal Ministry for Interior Affairs (BM.I)* have key roles in GIO

GMES - Involvement of Austrian actors on European level



- Active role in defining GMES (Core) Services (Implementation Groups)
- Contribution to R&D activities (mainly FP7 and ESA)
- Contribution to Operational activities (e.g. GIO)
- Active Engagement in Coordination and Support Activities



GMES – Implementation activities in AT

GMES Contact Point



FFG

- Representation of Austria in the GMES Committee and in other relevant boards on European level (ESA PB-EO/DOSTAG, FP 7 SPACE PC, ...) as delegate or expert
- Utilising R &D money for the development of GMES in Austria
- Supporting activities

>asap>

Austrian Space Applications Programme



FFG

bm  it

Bundesministerium
für Verkehr,
Innovation und Technologie

- A bottom-up R&D funding programme
- ...in support and complementary to bilateral and European programmes
- Three programme areas: Technology, Space, Applications
- 2011 = 8th call for proposals
- since 2002: **> 200 R&D projects**
- ... with a total amount of funding budget of **> 50 M €**
- *sustainability of national funding...*
- *growing importance of the “Application Area” during recent years*



Aktionslinie GMES in Österreich / “GMES in Austria”

- Objective 1: Support Austrian actors in GMES
- Objective 2: Stimulating awareness for GMES among potential user groups in Austria
- Calls based on consultation process with community
- Pilot / Demonstration activities in AT
- Involvement of (end)users mandatory
- Encouragement towards large scale projects and integrative consortia

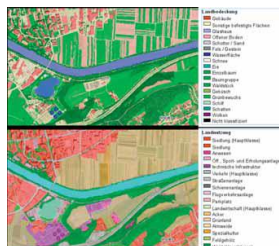


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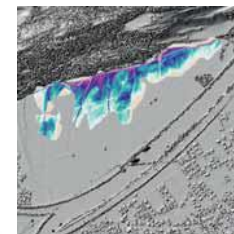
“GMES in Austria”



LISA – Land Monitoring



EO-KDZ – Emergency Management

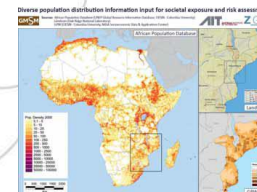


ASaG – Land Monitoring



<http://www.ffg.at/asap> ...
...Download Center

GMSM – Land Monitoring



GMES und Wien - all

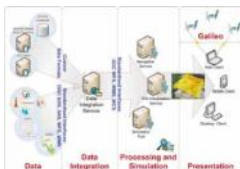


RAPIDEM – Emergency Management



Thomas Geist

G2real – Emergency Management



EO4Water – Land Monitoring



LISA – Land Information System Austria

Challenge

- only 37 % of country area is permanent settlement area (Tyrol: 12 %)
- various competing land use requirements
- different approaches in the regions – no homogenous LU/LC monitoring for Austria

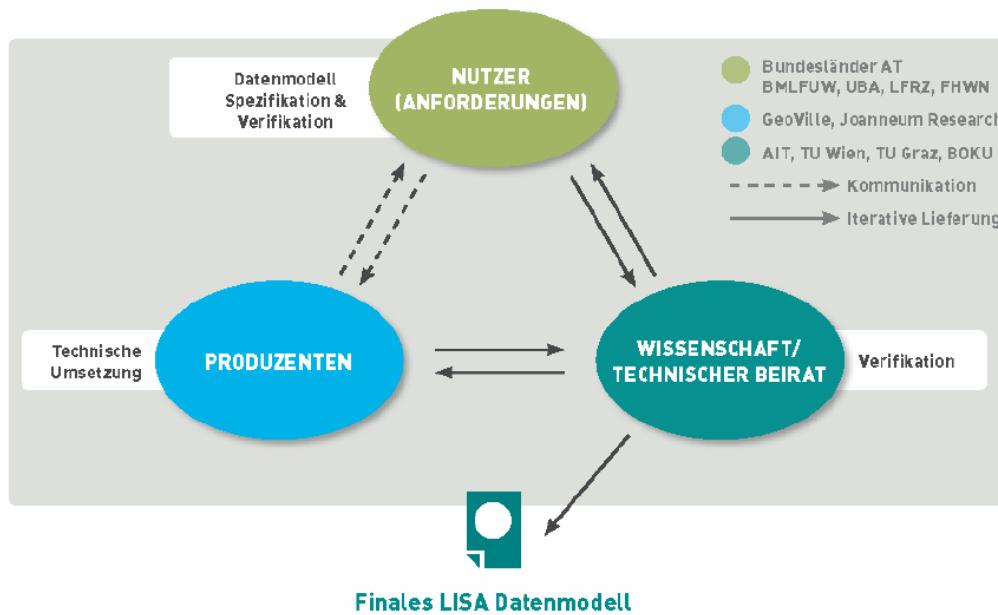


Source: Presentation G. Banko, 18 May 2011



LISA – Land Information System Austria

Project Set-up



Source: Presentation G. Banko, 18 May 2011

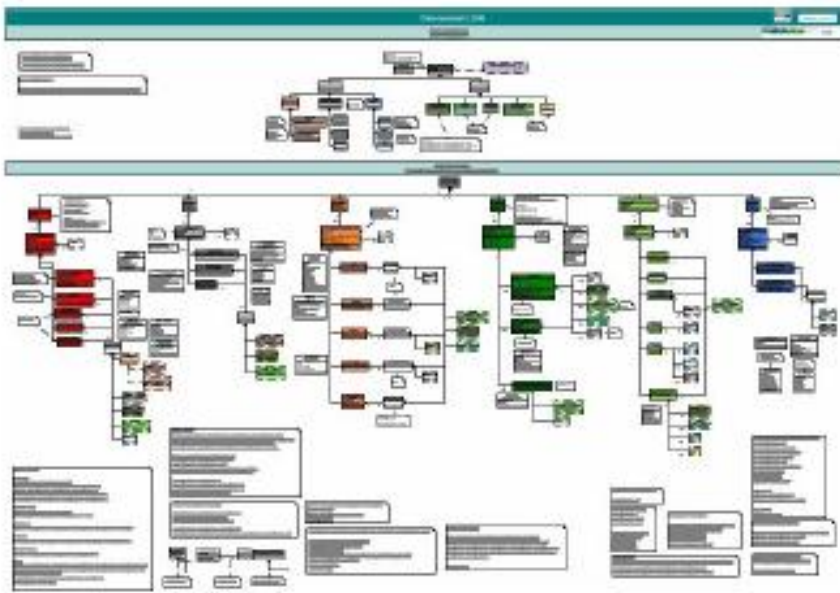
LISA – Land Information System Austria

Results (1)

object-oriented data model

...

for land cover and land use



48 test areas: á 31 km²

... with cost estimation for country-wide roll-out





LISA – Land Information System Austria

Results (2)

Core mapping services

... and pilot actions for Core Information Services
(Spatial Planning, Natural Hazards)

... change detection

... utilisation of Pleiades data

... connection to European level



www.landinformationssystem.at



Supporting Activities



- Several information events for different stakeholder groups in the past
- Specific workshops planned in 2012 (e.g. on renewable energies)
- Networking and information exchange with other EU Member States
- Stimulating and supporting bottom-up activities with more operational character (GMES Ground Segment)



Conclusions

- From the perspective of an EU member state, GMES is a complex process, due to the plurality of stakeholders and topics involved
- Some (research) institutions and companies in Austria are well linked to the GMES process from the beginning
- Recently, with the availability of first service elements, GMES is becoming more tangible for potential users
- The awareness for GMES among potential users in Austria has been increased during the last years, but must be consolidated and expanded.
- Thoroughly defined R&D projects can be an effective instrument for stimulating user engagement on national and regional level
- The current uncertainty for the long-term perspective of GMES creates obstacles for allocating resources and for more engagement among service providers and potential users



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Die Komponenten von GMES

