Space for energy, mobility and climate neutral cities

UN/Austria Symposium 2022

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III – Directorate General for Innovation & Technology
6 – Department for Space Affairs and Aviation Technologies
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The Austrian Space Sector

- 200 companies and research institutions
- Over 1,500 employees
- Annual turnover around 140 million EUR per year
- This year: 35 year membership anniversary at the European Space Agency
Austrian Space Strategy 2030+

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Austrian Space Strategy 2030+

- Dynamic European and global environment
- Supporting sustainability goals
- Further strengthening of expertise
- How does Austria position itself in the new space sector?
- How to bring actors from other sectors into the space sector, and how to strengthen cooperation?
- Austria's role as a space diplomacy location
Austrian Space Strategy 2030+

- 6 strategic targets
  - Sustainable development on Earth and in Space
  - Competitive Space Sector
  - Scientific Excellence
  - Space for all Areas of Life
  - Talents and Diversity for Space
  - Public Dialogue on Space

A copy of the strategy can be downloaded [here](https://bmk.gv.at).
ASAP – Austrian Space Applications Programme

- 800 funded projects since 2002
- 130 million EUR
- Leverage effect
ASAP – Austrian Space Applications Programme

- Current fall call (opening 21 September 2022)

**Classic ASAP focuses**
- Applications for satellite-based technologies
- Space sciences and exploration
- Technologies for space flight
- ~ 9 mio. €
- September - December 2022

**New ASAP focuses**
- Mobility transition
- Energy transition
- Circular economy
- Climate neutral city

Space for energy, mobility and climate neutral cities
Stakeholder Workshops

- Users
- Challenges
- Awareness
- Needs

Space Community

Space Solutions

Space for energy, mobility and climate neutral cities
Hackathons

• Fast track for space-based solutions
• Mobilizing startups and young professionals
• Matching user requirements with supply of (to be developed) space solutions
• Awareness for possible other users
Space4Mobility Hackathon

Challenges/Use-cases from non-space industry

Working on solutions with space data (Hackathon participants)

Mentoring and coaching by experts

Prizes and/or contracts for the winning solution provider

Awareness and fast-tracked space solutions

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Space4mobility Hackathon – use case by ASFINAG

Figure 1: Example of the mowing area in the GIS - old data set

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Space4mobility Hackathon – use case by ÖBB

Space for energy, mobility and climate neutral cities
Space4mobility Hackathon – use case by viadonau

Sutte bei Marchegg im Juni 2010.

Urzeitkrebs: Leitform der Suttenfauna und biotisches Schutzgut.

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Space4Energy Hackathon

- Space4mobility → Space 4 Energy
- 4 challenges by energy suppliers from all over Austria
- October 2022 remotely and in Graz, Austria
- More information: https://www.sciencepark.at/space4energy/ and on our Website Austria in Space
Space 4 Energy Hackathon

- 4 use cases
  - Space 4 wind power
  - Space 4 energy spatial planning
  - Space 4 biomass
  - Space 4 hydro

Space for energy, mobility and climate neutral cities
Space awareness and cooperation

• Space stakeholders

• Public dialogue on space
  – Austria in Space
  – Events
  – Strategic Communication
  – Exhibitions

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