

Elisabeth Fischer / FFG Aeronautics and Space Agency

## **OVERVIEW AUSTRIAN ACTIVITIES IN SPACE**

Workshop New2Space, 17.02.2020

## AUSTRIAN RESEARCH PROMOTION AGENCY

- „The one-stop-shop for industrial research and development in Austria“
- Founded in September 2004
- Merger of four organisations
  - *Austrian Industrial Research Promotion Fund*
  - *Technologie Impulse Gesellschaft*
  - *Austrian Space Agency*
  - *Bureau for International Research and Technology Cooperation*
- Legal structure: private limited company
- Owner: Federal Government, represented by
  - Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK)
  - Federal Ministry for Digital and Economic Affairs (BMDW)



## AERONAUTICS AND SPACE AGENCY (ALR)

### WHAT WE ARE DOING ....

- Management of **ESA activities**
- Representation of Austria in **relevant boards** (ESA, EU, EUMETSAT,...)
- Management of Austria's participation in **bilateral** and **international** programmes
- Management of the **national R&D funding programme ASAP** (Austrian Space Applications Programme)
- **Information** and **Network** activities
- **Education** and **Training** activities



## AUSTRIA'S ENGAGEMENT IN SPACE

- **ASAP**



- **ESA, EUMETSAT**

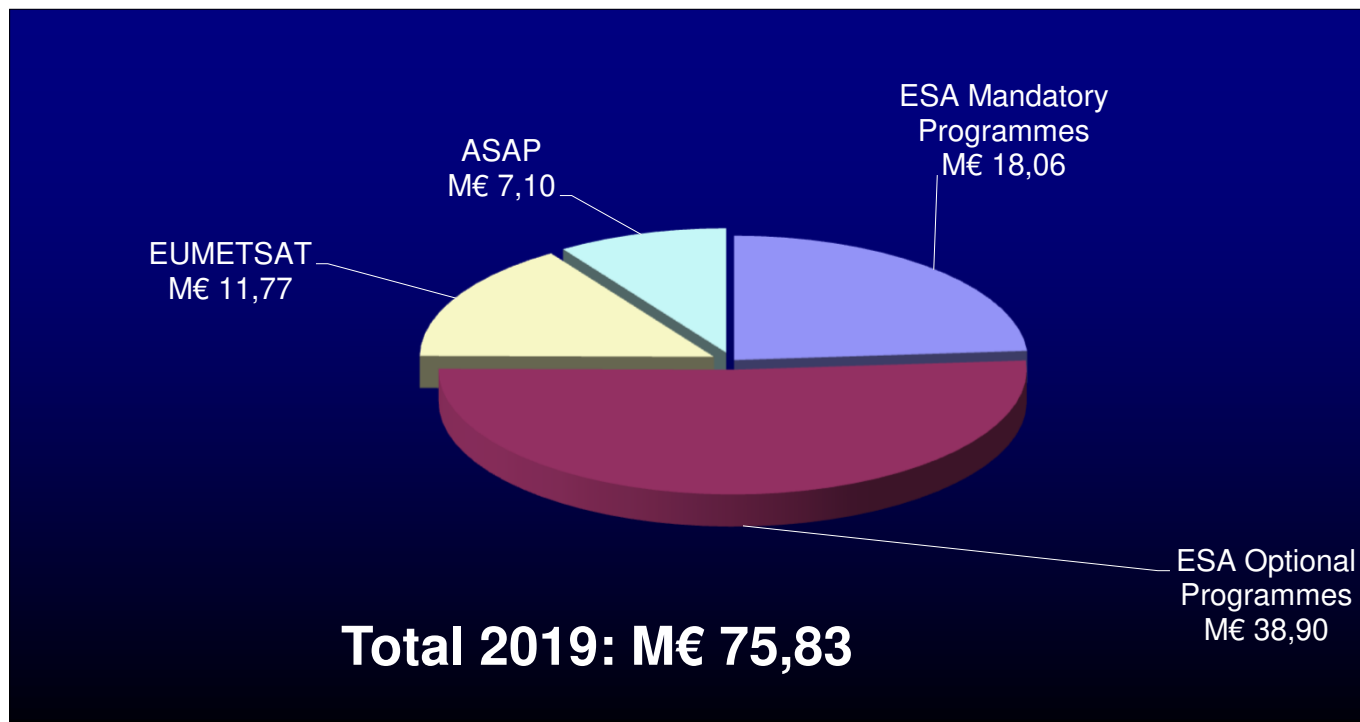


- **EU**



- **commercial market: increasing**

## AUSTRIAN SPACE BUDGET 2019 IN M€



## ASAP – AUSTRIAN SPACE APPLICATION PROGRAMME A BOTTOM-UP R&D FUNDING PROGRAMME



### Objectives – ASAP ...

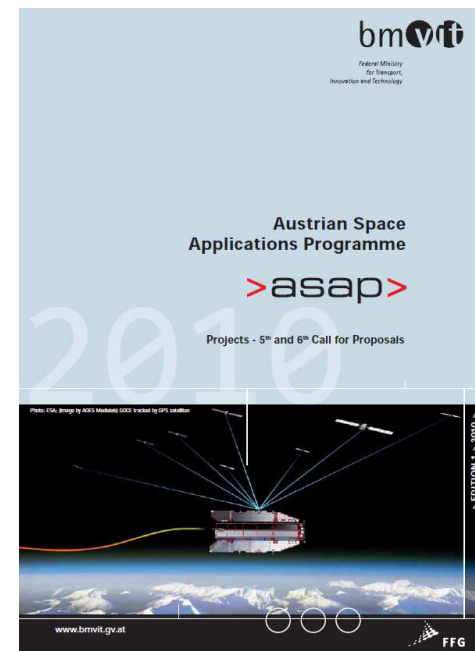


- supports the **development** of **innovative technologies, products** and **applications**
- prepares, supports and complements the **participation** in **bilateral** and **international programmes (ESA and EC)** and **cooperations**
- promotes **use of space technologies**

## ASAP – FACTS

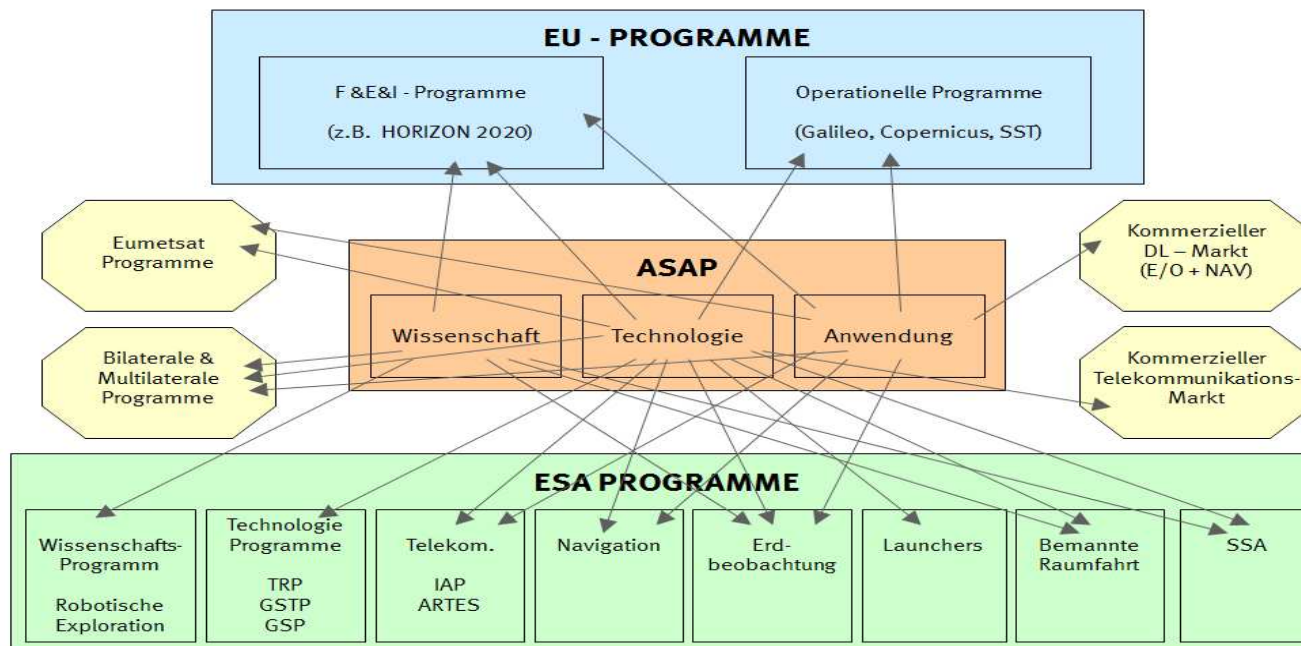
- programme **responsibility**: BMK
- programme **management**: FFG
- Since 2002
  - 16 successful tenders
  - more than 400 projects
  - evaluation of ASAP 16 proposals
- 3 Areas:
  - Space Science**
  - Technology**
  - Application**

<https://www.ffg.at/ASAP/Downloadcenter>



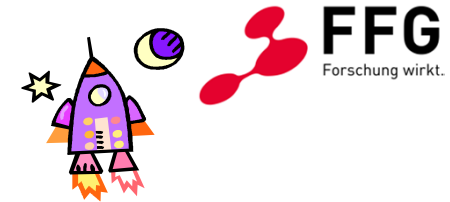
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## ASAP AS A LEVERAGING PROGRAMME





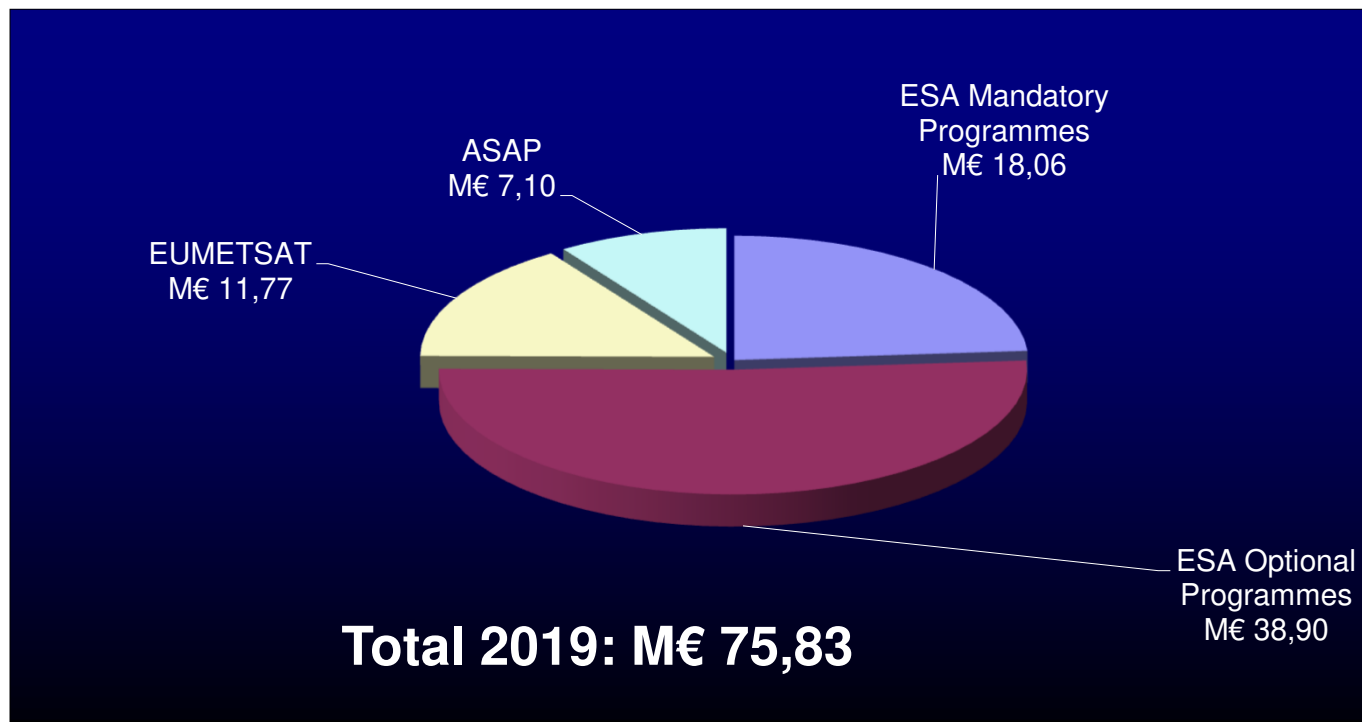
## SPACE AS AN INTERNATIONAL ENDEAVOUR



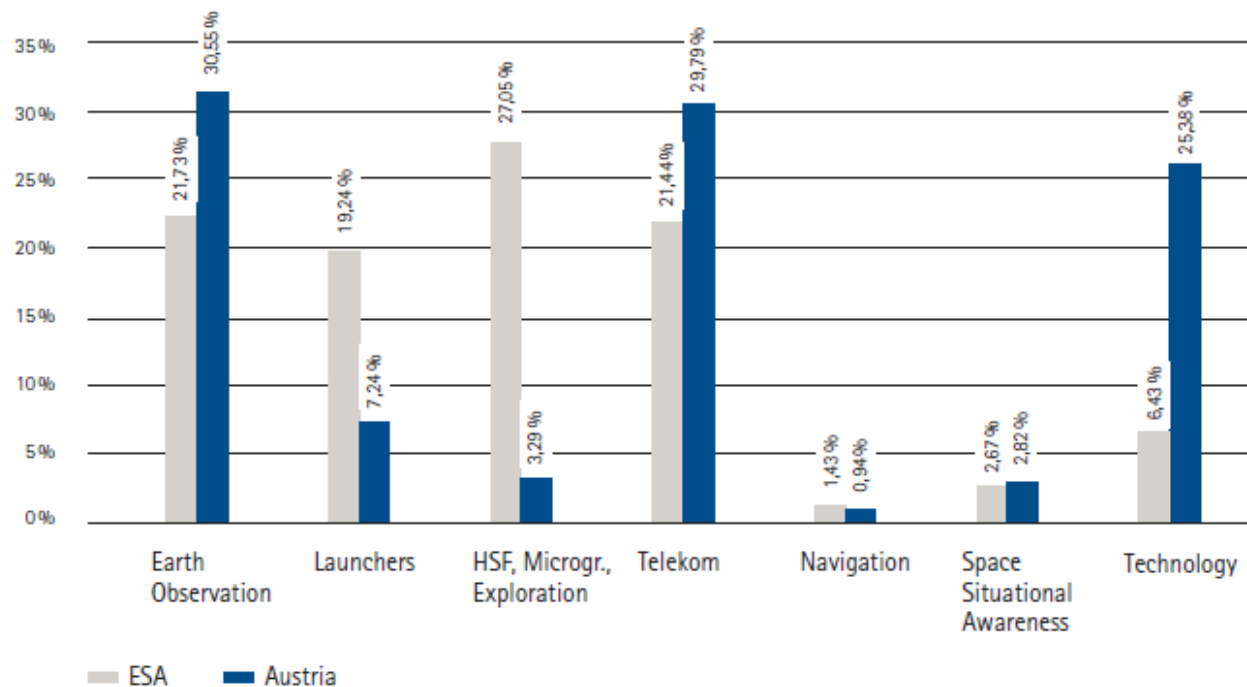
- The European Space Agency is **Europe's gateway to space!**
- ESA activities are **shaping the sector**
- contribution to **ESA** as the main instrument to realize **national ambitions**
- **international cooperation is key**



## AUSTRIAN SPACE BUDGET 2019 IN M€



## PRIORITIES – COMPARISON ESA/AUSTRIA



## ESA PROGRAMMES AND ACTIVITIES OF INTEREST TO SMES (EXAMPLES)

- Business Applications and Space Solutions Programme (BASS)

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- Navigation Innovation and Support Programme (NAVISP)

FFG contact: [matthias.schreitl@ffg.at](mailto:matthias.schreitl@ffg.at)

- InCubed Programme ('Earth Observation')

FFG contact: [thomas.geist@ffg.at](mailto:thomas.geist@ffg.at)

- General Support Technology Programme (GSTP)

FFG contact: [stephan.mayer@ffg.at](mailto:stephan.mayer@ffg.at)

[http://www.esa.int/About\\_Us/Business with ESA/Small and Medium Sized Enterprises/ESA programmes and activities of interest to SMEs#ARTES](http://www.esa.int/About_Us/Business_with_ESA/Small_and_Medium_Sized_Enterprises/ESA_programmes_and_activities_of_interest_to_SMEs#ARTES)

## ESA START-UP RACE DECADE INITIATIVE

→ A one-time competition launched by ESA for Start-ups

1. application to the competition by the eligible start-up companies (until 15 April 2020)
2. selection of the 10 most innovative applicants (until 20 May 2020)
3. pitch by the Top10 applicants at the IPE Working Group on 16 June 2020 and selection of the 3 best applicants as winners
4. mentoring programme launched, for each winner, by the signature of a mentoring contract with ESA and implementation of the mentoring programme



## EU: FINAL CALLS OPEN UNDER HORIZON 2020

### 5<sup>th</sup> Horizon EGNSS market uptake 2019-2020 Call

→ open until 5<sup>th</sup> March 2020

→ Budget: 21 Mio Euro

#### Topics:

- GNSS applications fostering green, safe and smart mobility
- EGNSS applications fostering digitisation
- EGNSS applications fostering societal resilience and protecting the environment
- EGNSS applications for public authorities



HORIZON 2020



## GALILEO AND COPERNICUS MASTER 2020

→ International innovation competition

→ we are looking for **new innovative ideas** in the area of **Navigation** and **Earth observation**

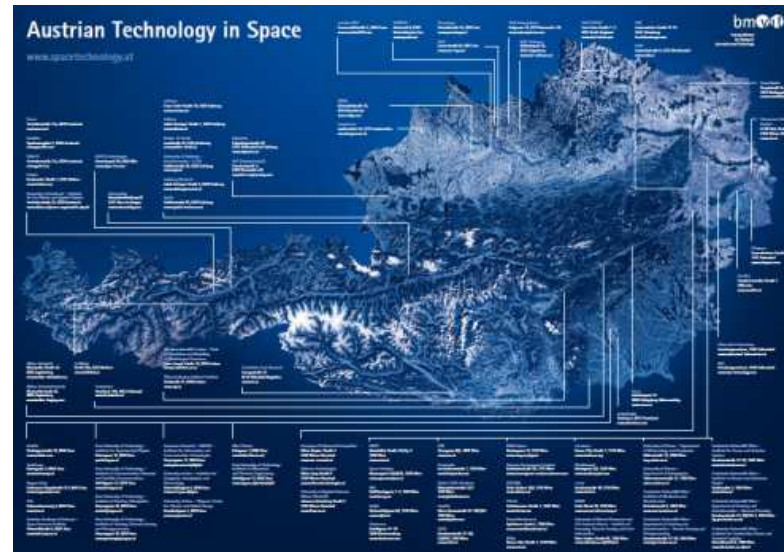
Galileo Masters: <https://esnc.eu/prize/austria/>



Copernicus Masters: <https://copernicus-masters.com/>



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[www.spacetechnology.at](http://www.spacetechnology.at)







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