

* *SPACE info day - 5th call*
Riga

Introduction of Czech
competencies/interests



GISAT
Czech hydro meteorological Institute
Czech Globe

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* GISAT - basic facts

- * SME company operating from 1991
- * Located in Prague, Czech Republic
- * Geo-information company with focus on remote sensing and GIS application
- * From research to fully operational activities

www.gisat.cz



* GISAT - relevant experiences

- * Experienced in international cooperation
- * GMES Service provider
(land monitoring, security mapping, emergency response)
- * FP6 / FP7 projects
(geoland-2, SAFER, G-MOSAIC, Hlandata, HELM, GRAAL, ..)
- * Applied research projects for ESA, EEA, JRC, ...
(EO data processing, analysis, archiving, publication, ...)
- * Contribution to proposal preparation, WP design & leadership, teaming with research & university institutions

* GISAT - 5th call interests

* GMES Services

- * Security mapping
- * Emergency response

* Sentinel data take-up

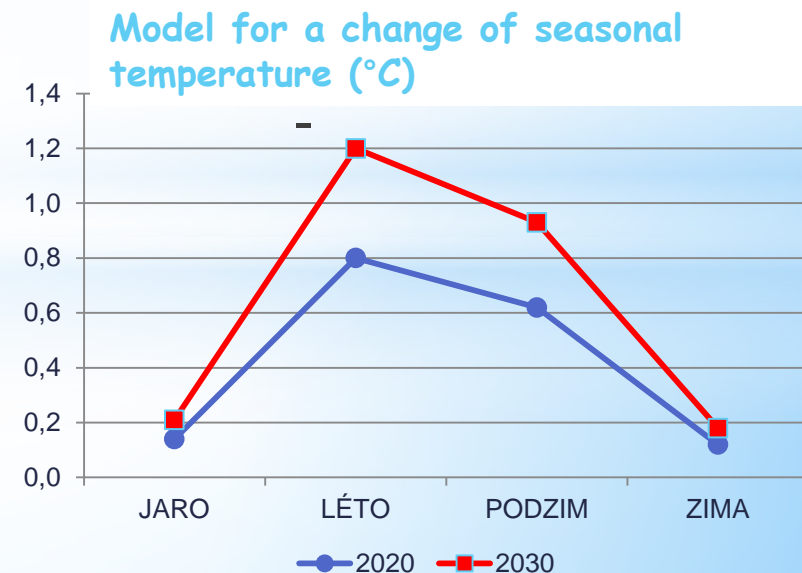
- * SAR & optical data applications and services

* Climate Change - data exchange

- * R&D on data archiving and exchange

* Czech Hydro meteorological Institute (CHMI)

- * leading public institute for weather and climate issues
- * delivers weather forecasts /climate modeling
- * long term capacities in climate modeling and use of data
- * runs regional climate model (RCM) ALADIN CLIMATE/CZ



* CHMI - relevance for the 5th call

- * high priority for climate issues
- * interest in international R&D projects
- * CHMI involved in MACC project, long term experience in data processing and modeling

www.chmi.cz

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Academy of Sciences of the Czech Republic

- Interdisciplinary research related to “Global change” and its impacts on Earth’s atmosphere, terrestrial ecosystems and human society

Experience of department of Remote Sensing

- Laboratory/field spectrometry (leaf optical properties)
- Imaging spectroscopy (ground & airborne & satellite)
- Ground support of hyperspectral flight campaigns
- Quantitative remote sensing (e.g. chlorophyll estimation using imaging spectroscopy)
- interest in climate topics (5th call +)

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Thank you for your attention!

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