SAR SYMPOSIUM

Operationalise SAR data collection and processing at scale



About



A developer platform and marketplace to derive insights from geospatial data at scale





UP⁴² Platform







Archive Data



Analytics





des 150

Challenges with SAR data





How does UP⁴² solve this problem?



Marketplace of Geospatial Data and Algorithms

Archive data
Satellite tasking
50+ data sources



Powerful Platform APIs and SDKs

- API-driven platform
- Allows easy integration and scaling
- Open source Python SDK



- Bring your own data or algorithms
- •Scalable cloud infrastructure



SAR Data on UP⁴² Platform



SAR SYMPOSIUM





TerraSAR-X

Capabilities:	Archive - Tasking
Resolution:	0.25 - 40 m
Swath width:	5 - 100 km
Revisit time:	2 - 11 days
Imaging modes:	6

Capella-X SAR

Archive - Tasking
0.5 - 1.2 m
5 x 5 / 5 x 20 km
3 - 6 hours
3







Kompsat-5

Capabilities:	Tasking
Resolution:	0.85 - 5 m
Swath width:	5 - 100 km
Revisit time:	5 days
Imaging modes:	3

RANALYTICS SYMPOSIUM

ICEEYE

Capabilities:	Tasking
Resolution:	1 - 15 m
Swath width:	5 x 5 / 100 x 100 km
Revisit time:	20 hours
Imaging modes:	4

User Story

LiveEO

TerraSAR-X + Optical data

Internationale Near real-time storm damage detection. Automatically detect objects on train tracks following storms.



Nürnbe



Thank you

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