

FindMine GPSAR

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findmine
FindMine gGmbH – Explosives search with the help of UAVs.



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Co-funded by
the European Union

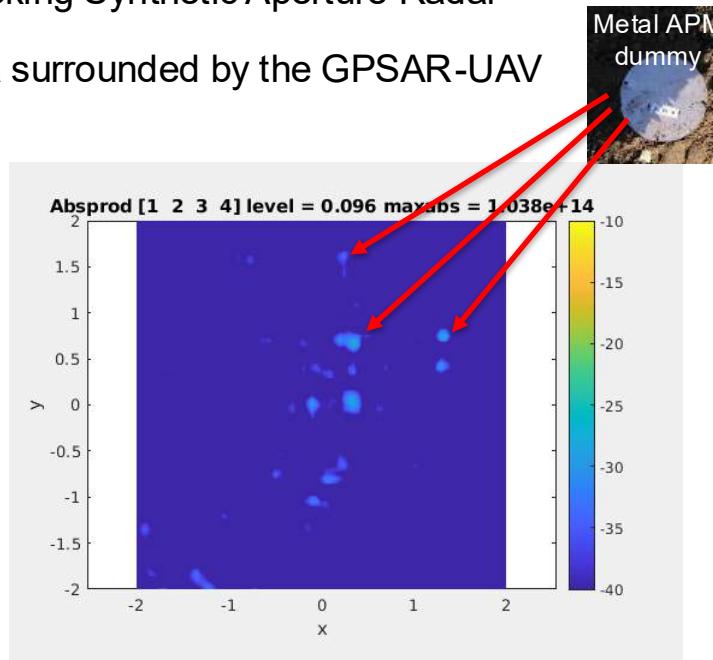
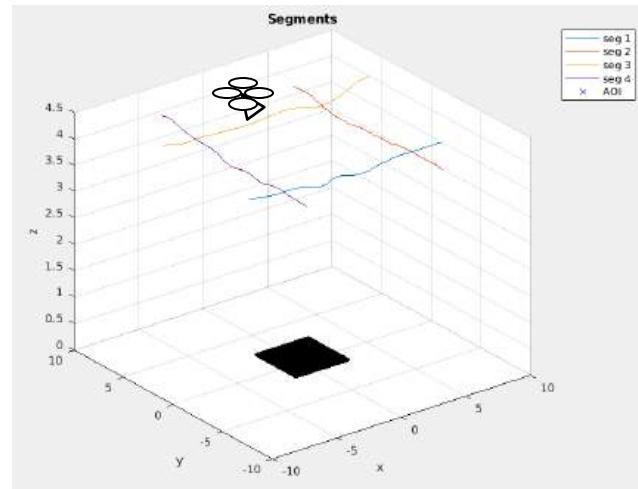


Schweizerische Eidgenossenschaft
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Federal Department of Foreign Affairs FDFA

1. Non-Profit Company owned and financed by the Urs Endress Foundation
2. Making humanitarian demining faster, safer and cheaper by new sensor technologies
3. First contribution is the FM-GPSAR
(ground penetrating synthetic aperture radar)
4. Uniqueness: Detecting buried or grass-hidden objects from an UAV-based sensor operating in a safe flight altitude
5. Application: Support demining teams, demining machines and robotized demining from the air where optical sensors can not help
6. Will be ready to sell to first pilot customers in 2026

- Combination of Ground Penetrating Radar and Side-Looking Synthetic Aperture Radar
- Provides 3D radar images from the upper soil of an area surrounded by the GPSAR-UAV



FM GPSAR System Properties

- Area Coverage 2000m²/h
- Area resolution: 5cm with RTK accuracy
- Depth resolution: 1cm
- Maximum depth: >20cm
- Evaluation directly in the field with the Field Processing Unit (FPU)
- Flight altitude: 4m to 6m
- Good detectable: AVMs, metal APMs in dry soil
- Challenging: Wet soil and plastic APMs

soil and moisture dependant



Thank you!
Welcome on our booth!
www.findmine.org

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