



# CELTIC-NEXT Proposers Day

5<sup>th</sup> February 2019, London

**Pitch of the Project Proposal**

## **Distributed Sensor Data Format Services (DS2)**



**GEODATA**

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# Teaser

## Goals



- Solve the Babylonian confusion in monitoring
- Means to have contract certainty
- Basis for information security (non-repudiation)
- Basis for near-real-time, AI driven data analysis

## Main Benefits



- Enabling new business models
- Unique selling point
- New higher-level services (e.g. AI based analyses)

## Added value



- Adaptability to local standards and therefore wider market
- New insights provide new consulting opportunities

## Why participate?



- Similar pains
- Similar gains
- Similar business

# Organisation Profile

## About us



Geodata is an Austrian-based, international supplier of solutions and services in the test and measurement field and in engineering surveys. Mainly active in the area of tunneling, mining, environmental control.

## Key Facts



- Privately owned SME (total ~200 p.)
- Small departments for Hardware & Software development
- Own data integration software products since ~2008

## Recent Projects



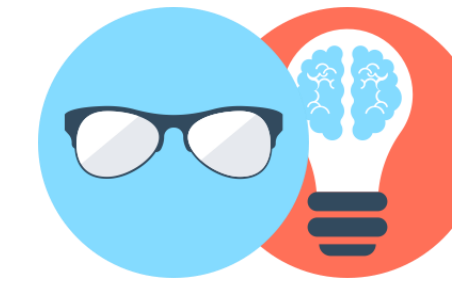
- Metro Tel Aviv, Israel
- Metro Sydney, Australia
- Tames Tidway, GB
- Amsterdam Sydhavn, Danmark
- ... and many more

# Proposal Introduction (1)



## Motivation

- *We suffer from Babylonian Confusion in data formats.*
- *We see new possibilities that we currently cannot exploit (e.g. AI)*
- *We see new markets that we want to target (data integration expertise)*
- *We see new possibilities to exploit and sell our expert knowledge*



## Vision

*We envision an open and distributed sensor data format service (DS2) that allows the secure, decentralized specification, extension and versioning of data formats used to exchange, store and analyze monitoring data with no need for a central authority. This shall enable us to apply new methods of data analysis.*

# Proposal Introduction (2)

## Outcome



- Tailored meta-language definition (OGC SWE based, if possible)
- Free & open Source: generic SDKs, auto compiling SDKs, Distributed Specification Service with open API, Specification Generation UI, generic format converters, blockchain based specification security
- Closed source: Integration of DS2 in our own Data Integration Software

## Impact



Change the way we think about sensor data in monitoring by providing tailored standards AND free tools. Govern the development of new sensor data ecosystems in the monitoring business.

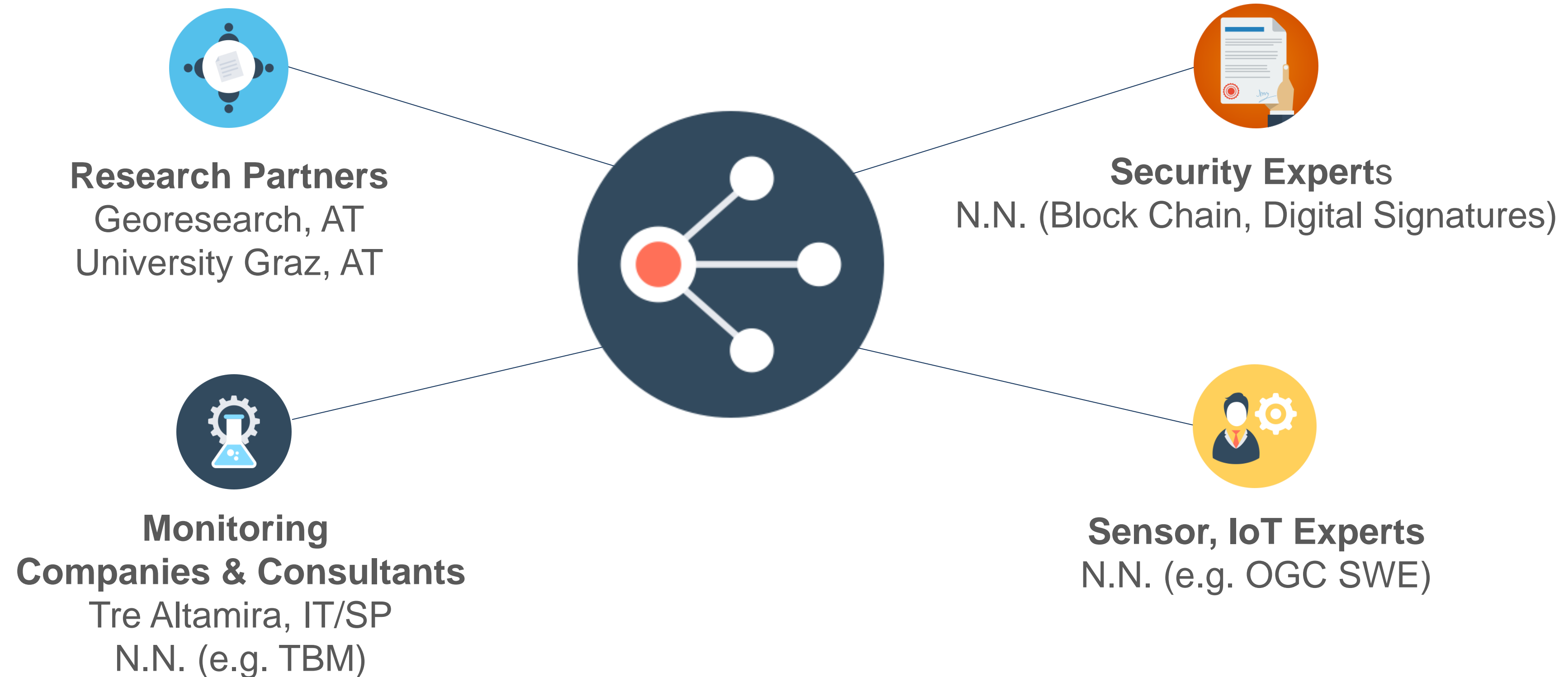
## Schedule



12-24 Month, depending on actual scope of work

# Partners

No formally existing consortium yet but some interested parties



# Contact Info



**For more information and for interest to participate please contact:**



Clemens Schmuck, Geodata

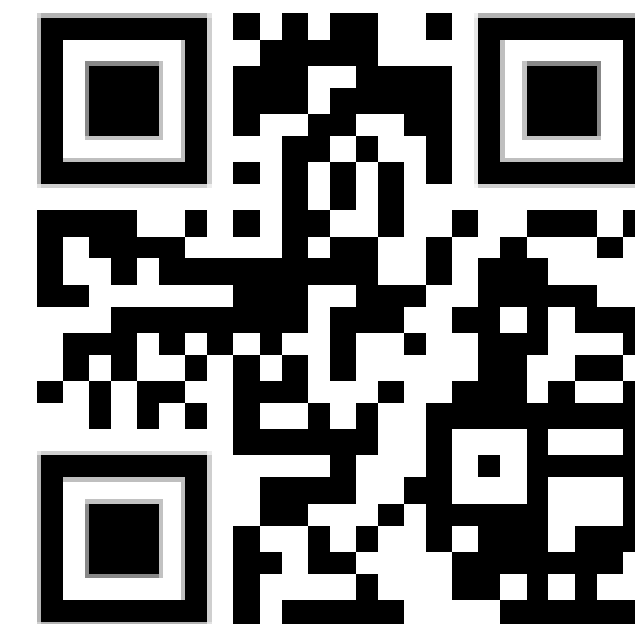
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**Presentation available via:**  
[www.tiny.cc/proposalidea](http://www.tiny.cc/proposalidea)



# Join the follow-up Telco

## 12 Feb. 9.00 CET

### [Join Webex meeting](#)

Meeting number (access code): **950 271 572**

Meeting password: **mXSKpRVy**

Join by phone

[+49-6925511-4400](#) Germany toll

[Global call-in numbers](#)

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