

# Phi-Labs Entrepreneurship & New Business Models

Frascati, 12 November 2018

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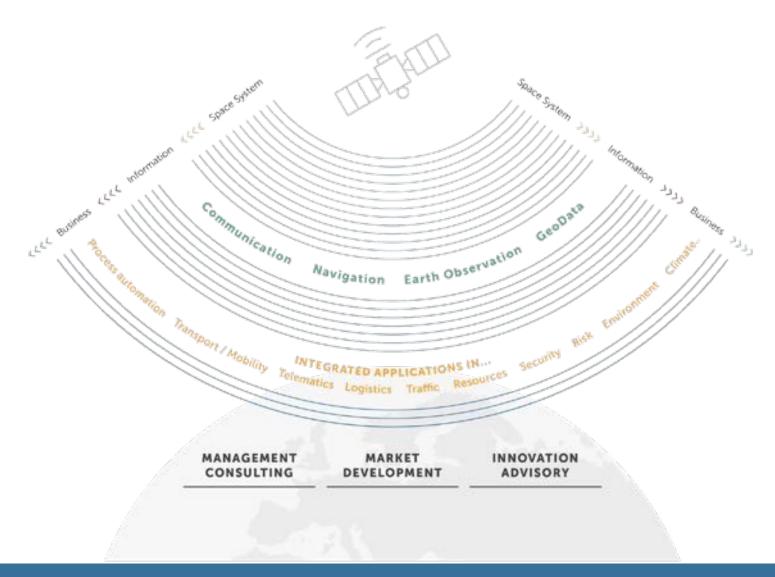






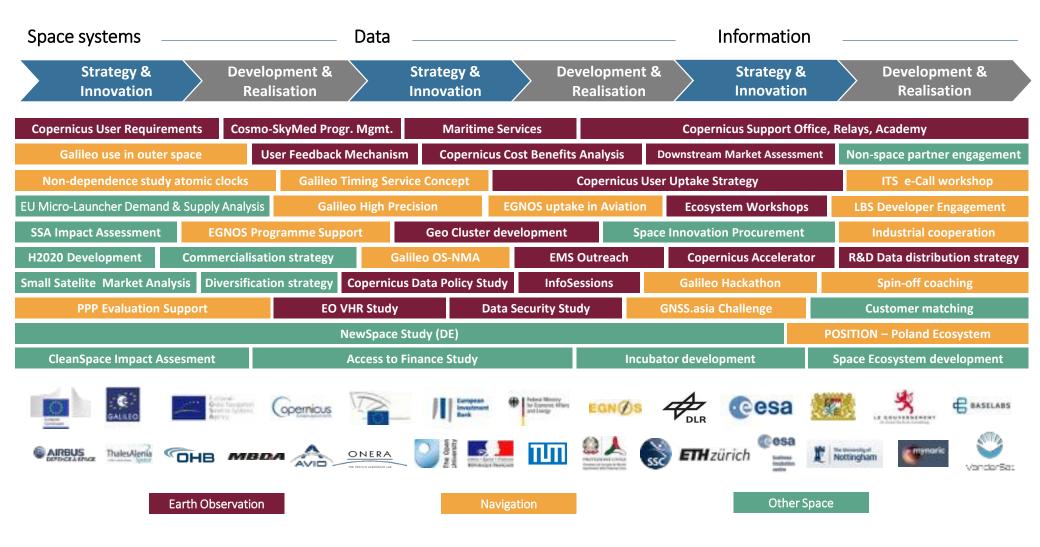


### SpaceTec Partners – where space technology means business





### Past engagements and clients along the space value chain







### Selected startups from SpaceTec's coaching portfolio

#### Strategy



Laser terminals air & space



The thrd aircraft



Marine real-time analytics



#### **Investment Readiness**



GeoIntelligence & machine learning



**Enabling geolocated IoT** 





#### **Market Access**



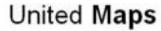
High-resolution moisture data







#### **Funding**



Hyperlocal maps



Data fusion for automated driving

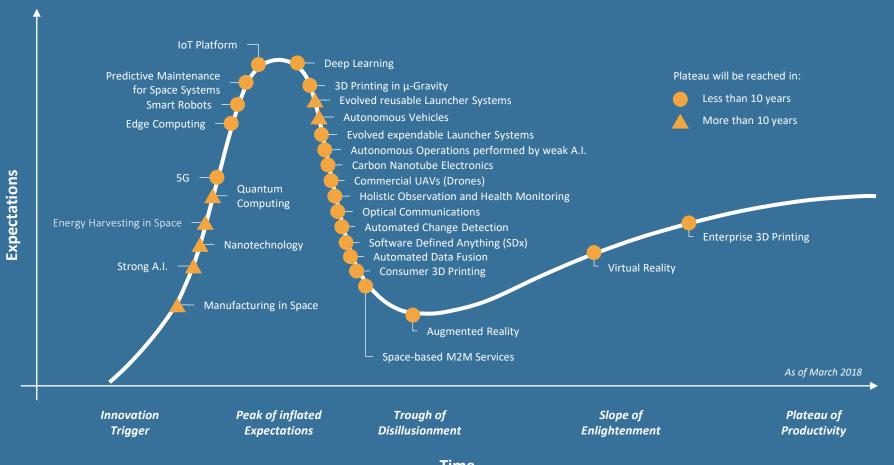






### NewSpace technology trends



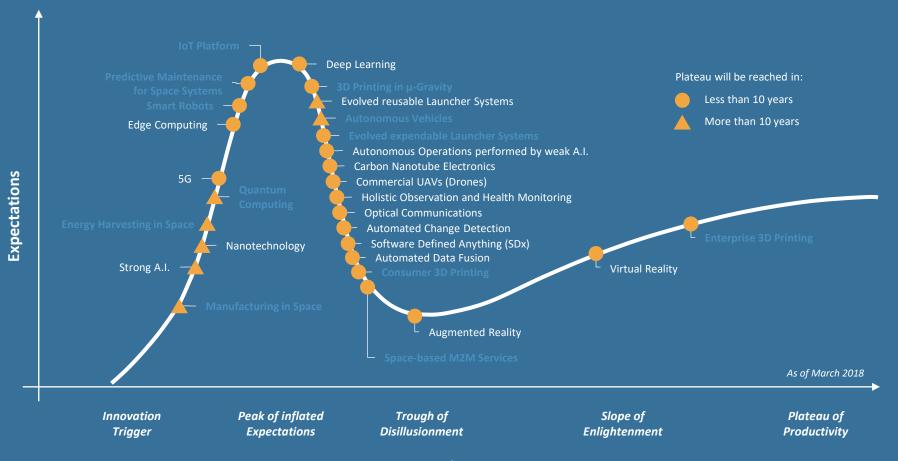


Time



### NewSpace technology trends relevant for GeoIntelligence





Time



### GeoIntelligence is a key pillar in NewSpace

#### Ubiquituos Connectivity

#### Positioning

Autonomous motion

Geointelligence

- Number of Earth Observation satellites tripling vs last decade
- Free open data sets providing an enormous amount of data available for analysis
- Near real-time and high resolution satellite imagery heralding a new wave of services
- New modes of data transmission and distribution in the sky, air and on the ground
- Leaps in processing, big data and grid computing allowing petabytes to be analysed
- Innovative method for weather forecasting
- Earth observation a key alternative data for financial markets



### GeoIntelligence is mostly a complex B2B or B2G game

B2B B2G

Weather forecasting value chain and key players

Weather Satellite System Providers

**Satellite Operators** 

Global Weather Modelling Operators

Commercial Weather Services Providers









**PUBLIC SECTOR DRIVEN** 

**PUBLIC SECTOR DRIVEN** 

**PRIVATE SECTOR DRIVEN** 

**△** spire

**EMERGING ACTIVITIES** 

**AND THEIR AMBITIONS** 

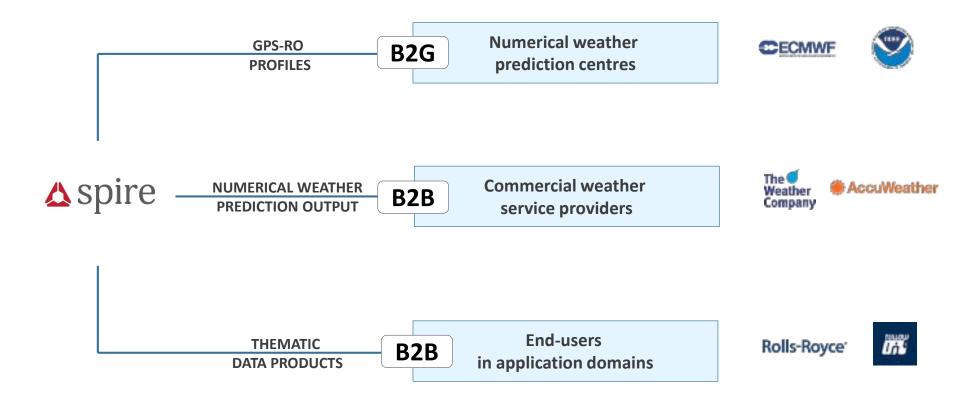
Source: SpaceTec Partners Analysis



### B2B or B2G Business Models for a player like Spire

#### **PRODUCT**

#### **TARGET CUSTOMERS**





### More GeoIntelligence examples – with European founders

## **ICEYE**

Detect changes, gain insights and make better decisions





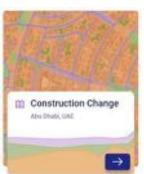




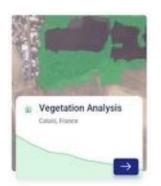
### **SPACE KNOW**

Transforming data from space into actionable intellige







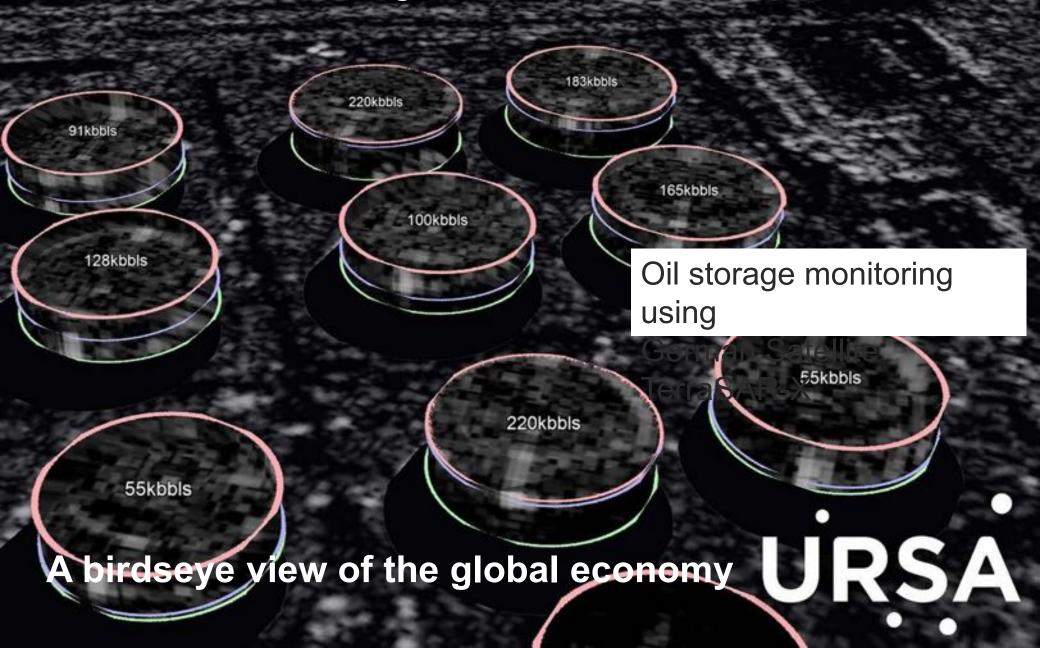


Economic activity and resources feed into financial info terminals

**Bloomberg** 



### Natural resource management: Oil reservoirs



### Networking is key in B2B: A SpaceTec coaching example

VanderSat turns satellite--derived climate data into valuable information across all sectors with patented downscaling method to get higher granularity out of EO data.











Satellite observed water data. Globally, Daily

**2015/16:** SpaceTec Partners meets VanderSat at networking events









**JUL '16:** SpaceTec Partners visits VanderSat and discusses target customers



### How SpaceTec Partners works with Startups



#### Real life example of "AIDA" in B2B market development



Attract the customer/user attention

**JUL '16:** SpaceTec Partners introduces VanderSat to to SwissRe using a 4 page concept teaser



Raise user interest by focusing on and demonstrating advantages and benefits

**AUG '16:** SpaceTec- arranged teleconference with SwissRe experts



Convince users that they want and desire the product/service and that it will satisfy their need

**SEP '16:** VanderSat capability demonstration at SwissRe HQ with SwissRe data



Lead users towards taking action and adopting the product/service

**OCT '16:** SpaceTec proposed exclusive R&D Contract

...



**MAR '18:** Press announcement: VanderSat included in opti-crop, the SwissRe farm management platform

### SpaceTec Partners work with GeoIntelligence entrepreneurs

#### **Services**

- Refine business plans and value proposition
- Develop business strategy
- Identify potential customers and approach strategy
- Support licence and co-operation agreements
- Define staff requirements and support recruiting
- Link to extensive network in industry and institutions
- Support fundraising and liaison with investors

#### Arrangement

Mentoring in ESA-BICs or Phi-Lab

SpaceTec-supported Accelerators

**EIC coach under SME Instrument** 

Certified coach of selected seed funds

"Sweat Capital"



### We can help you advance on the space financing chain

100k€ 500k€ 1-5M€ Idea **Incubation A-Round Later Stage** Seed **Incubators &** Regional funds (DE) **Generic Private Venture Capital** Idea and **Accelerators** business plan competitions EARLYBIRD TRIANGLE TARGET PARTNERS esa wellingtonpartners Bayern Kapital business incubation centre NRW.BANK National) **GALILEO** HACK**A**THON TGFS MANGROVE BayBG E-GNSS ACCELERATOR opernicus @osa Index Balderton. space<sup>3</sup>ac H2020, I National funds (DE) ActInSpace<sup>®</sup> COPARION **Specialised Space** ESA, opernicus **Venture Capital** masters h Gründerfonds programmes (e.g. enterprise europe **BOSCH** EnBW | New Ventures **Networking SFN** \* KOMPONENTEN platforms Space Tec Partners 2018 MASTERS esa 2/2/ED SAP. TO MAHLE Research **TECHTOUR** SPACE EXPLORATION MASTERS DISRUPTSPACE **ESA Investment Forum** (intel) Angels & \*\*ban Space Space Starters **Corporate VCs** Crowdfunding Capital **EU SME Instrument Commercial Banks** 

### Talk to us during ESA Φ-week









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