

# **Norwegian Space opportunities within the ESA Artes Application program**

Stavanger  
13<sup>th</sup> of April 2016

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## Norwegian Space opportunities within ESA's ARTES Applications programme

Where	Stavanger, iPark, Professor Olav Hanssensvei 7A, 4021 Stavanger	
When	13 <sup>th</sup> of April	1000-1500
Registration	Latest 7 <sup>th</sup> of April	Free of charge
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<b>Program</b>		
10.00	Welcome	APN Norway - Kay Fjørtoft
10.20	The IAP Program	ESA Representative – Tony Sephton
10.40	The Norwegian Space Centre role	NSC - Rune Sandbakken
11.00	Technology Transfer	Validé - Erik Monsen
11.20	Break	
<b>Presentations</b>		
11.30	Possibilities and needs from the Norwegian Coastal Administration	NCA – Jon Leon Ervik
11.45	Integrated Operations in the Oil and Gas sector, Space based opportunities	IO-Konsulenten, Karl Ernst Karlsen
12.00	BaSEC - A common operator approach to exploration activity in the Barents Sea	BaSEC/Statoil, Åshild Tandberg Skjærseth
12.30	Lunch	
<b>Workshop</b>		
13.00	<p>Introduction to the Workshop and individual sessions / The way of writing an IAP proposal, the perspectives</p> <p>Speed presentation session/talks with ESA/NSC/TT/APN Norway</p> <ul style="list-style-type: none"> <li>- Discussion if suggested proposal are within the IAP scope</li> <li>- Open discussions</li> <li>- Workshop on possibilities of writing a proposal together</li> </ul>	
14.45	Summary	

# APNorway

Ambassador Platform for  
Norway



Telecommunication

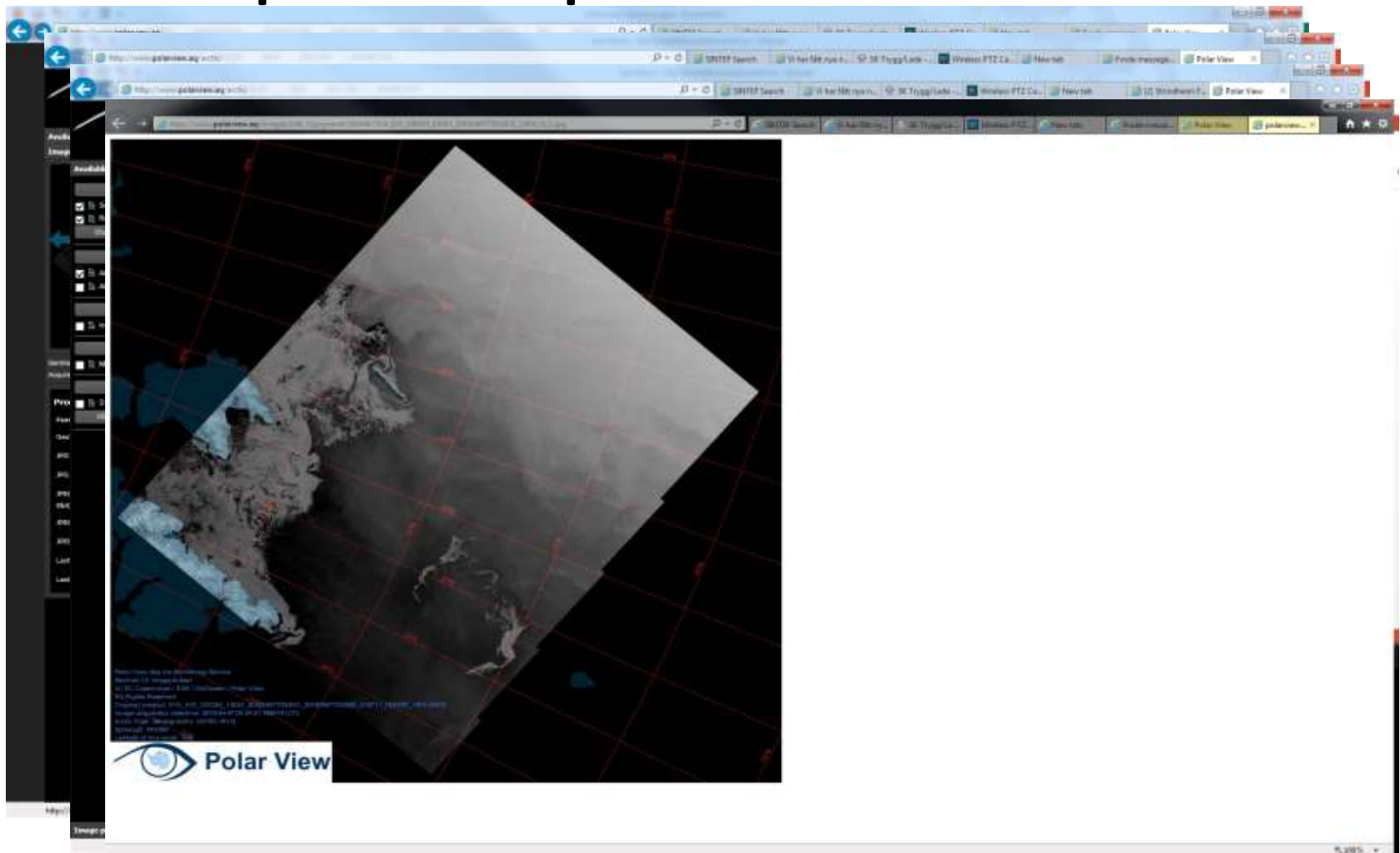
Earth Observation

Navigation



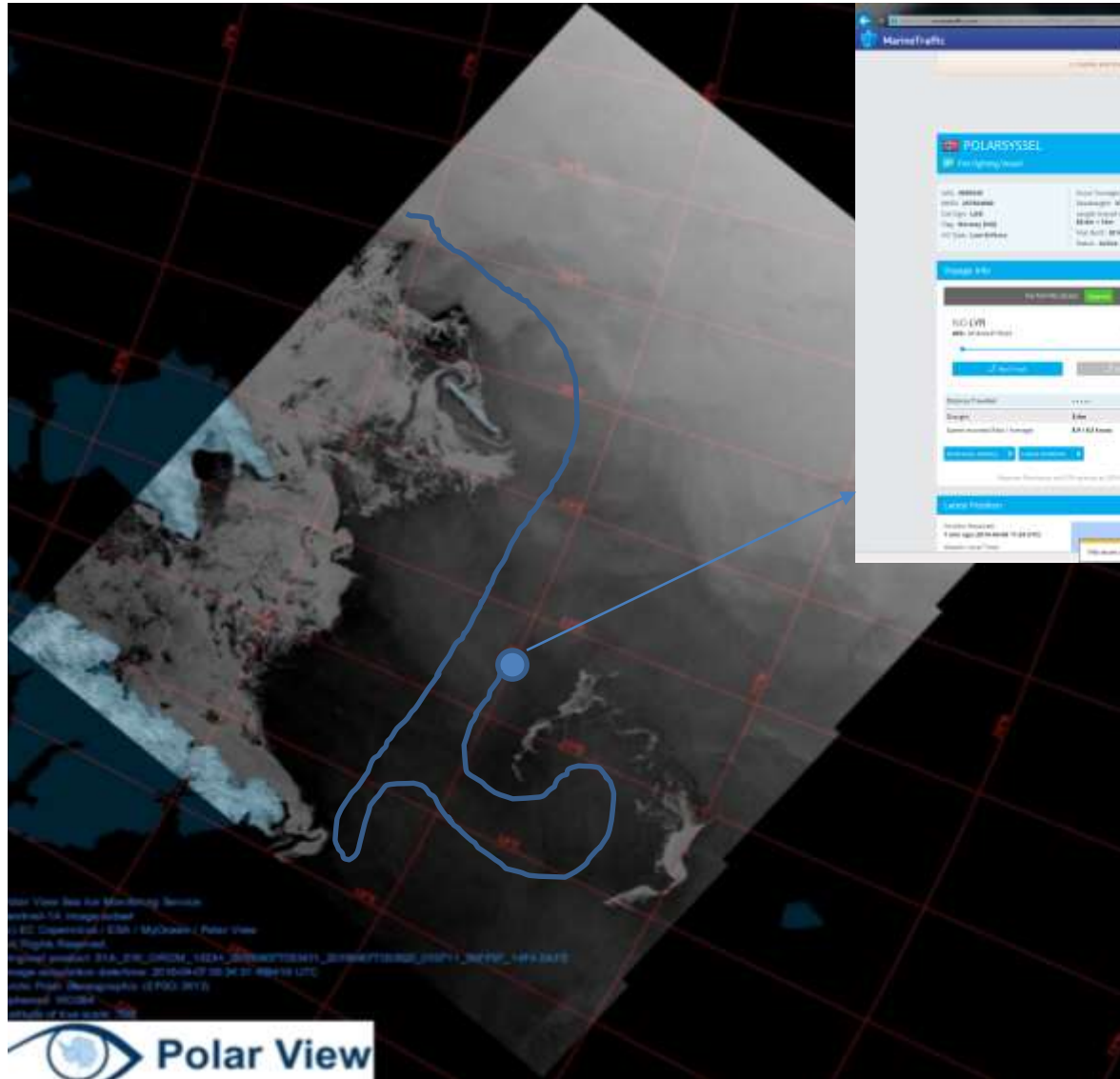
REF. AIRSWISS

## Example on space based services





# APN Norway Ambassador Platform for Norway



MarketInfo

**POLARSYSSEL**  
Frighting vessel

IMO: 9360987  
MMSI: 267323300  
Callsign: LBY  
Vessel Name: POLAR  
IMO Type: General Cargo

Deadweight: 8200  
Gross Tonnage: 21000  
Length overall: 145.00 m  
Beam: 22.00 m  
Max. Draft: 12.00 m  
Trans. Index: 1

**Current VLO**  
No. of Voyages: 1  
Status: Active

**NO LVR**  
IMO: 9360987  
MMSI: 267323300  
Callsign: LBY  
Vessel Name: POLAR  
IMO Type: General Cargo

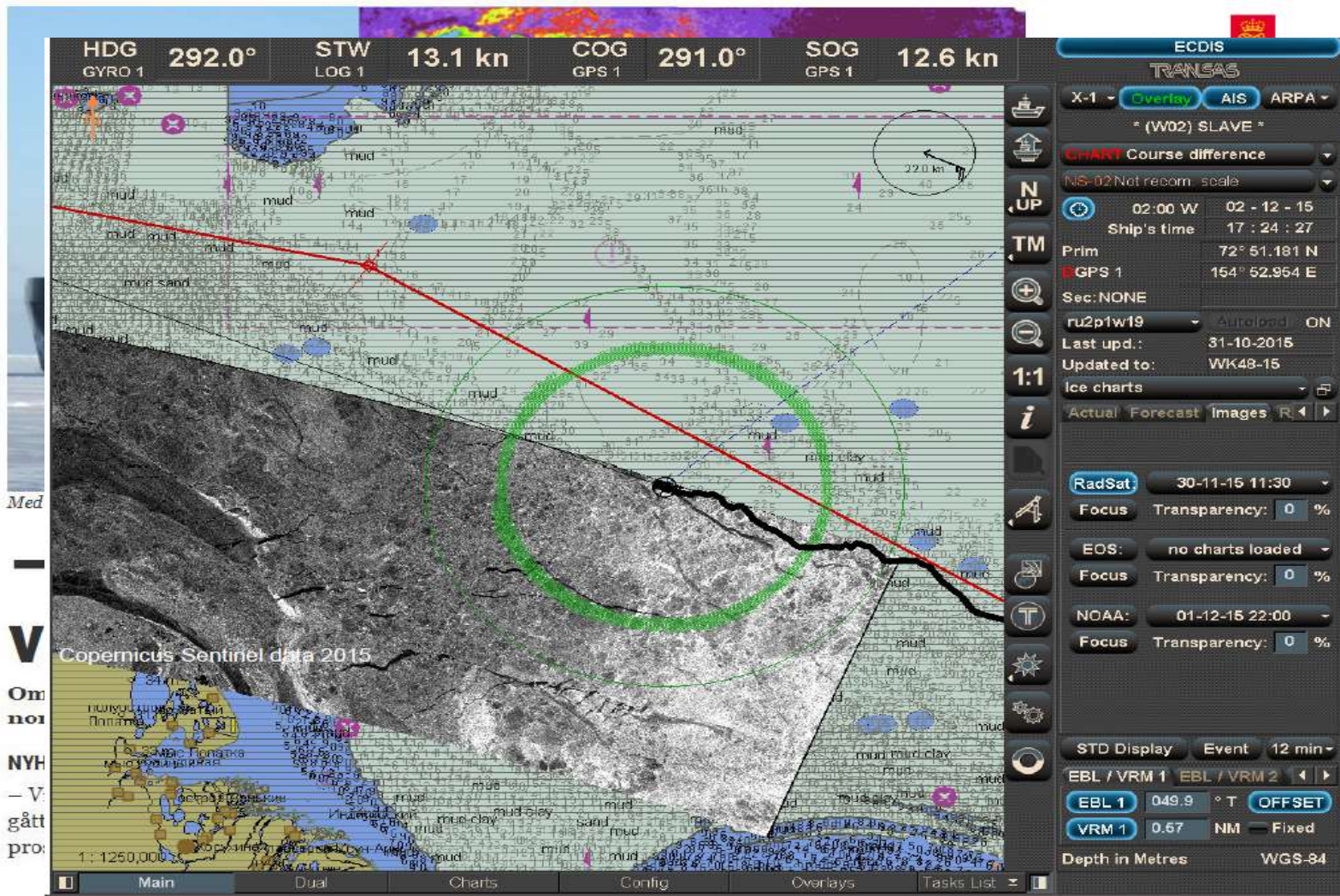
Previous Number: 11111  
Length: 145 m  
Gross Tonnage: 21000  
Deadweight Capacity: 8200 tons

Destination: Oslo  
Origin: Oslo

**Latest Transactions**

Latest Arrival: 7 Aug 2015 10:34:37:884 in UTC  
Destination: Oslo

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 PolarLight.com





- The Ambassador Platform is hosted by MARINTEK in Norway

- The Ambassador Platform addresses the interactions of maritime observation:

- Efficiency improvement in the maritime industry;
- Exploiting integrated data from people and organisations;
- Monitoring of traffic and environmental data to identify inadequate information;
- Improved situational awareness for maritime operations (harvesting, etc.);

## The idea



is hosted by

addresses the stakeholders in the field of maritime observation and earth observation

in the maritime and oil and gas industry

to improve collaboration between

and/or predict problems caused by maritime operations;

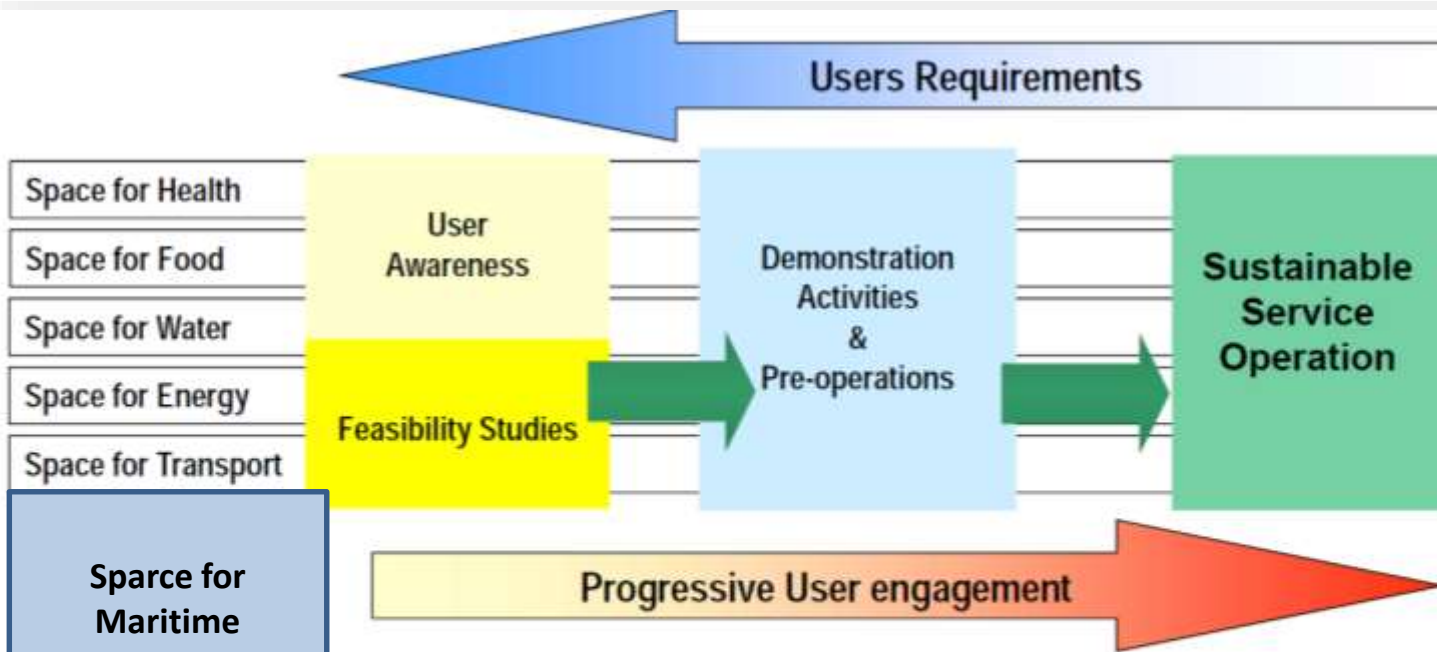
support during demanding maritime operations, search and rescue,

# The Application Program goals

1. Better knowledge of ESA's ARTES Applications programmes to industry, research community and users.
2. Advice on how to apply for funding
3. Review latest developments on (mainly) maritime R&D
4. Identify Opportunities for the ARTES Applications programmes
5. Provide Opportunities for One-to-One discussions on specific ideas



# IAP Programme Structure



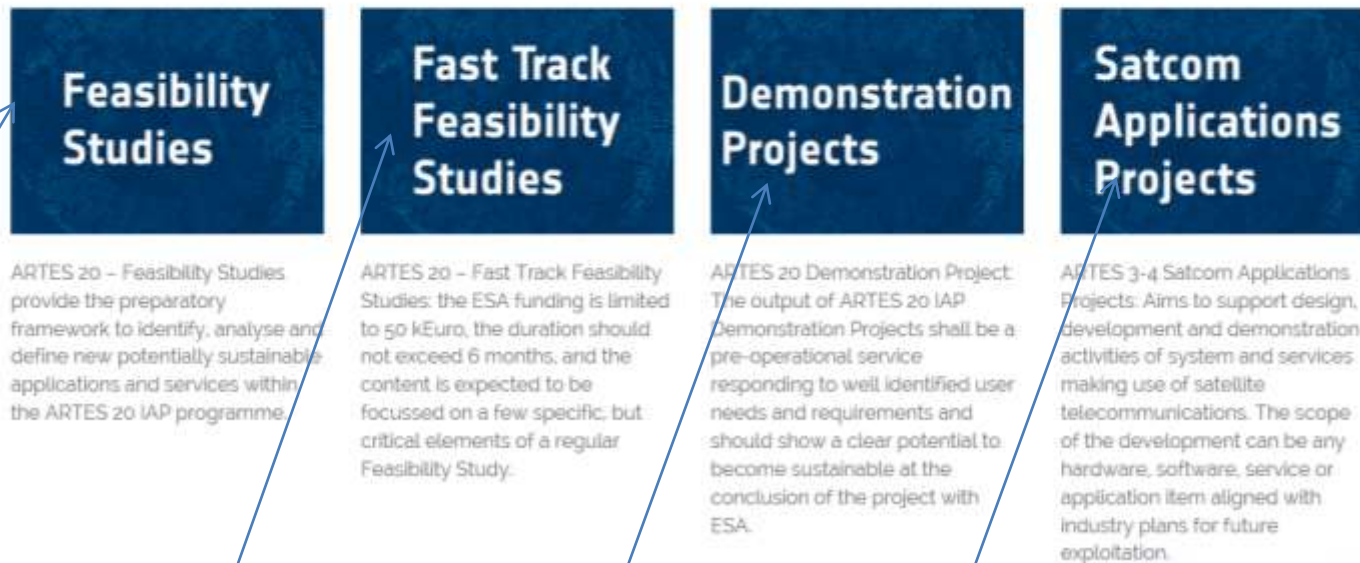
**Space for Maritime Communication**

- Users Activities:** Understand, foster and organise stakeholder demands.
- Feasibility Studies:** Assess technical and economic viability of services.
- Demonstration Projects:** Implement pre-operational services in partnership with users.

### FUNDING OPPORTUNITIES

ESA supports the development, validation and demonstration of viable operational applications and services, relying on space systems and having the objective to establish sustainable operational solutions, through two funding programmes: Integrated Applications Promotion (IAP – ARTES 20) and Satellite Telecommunications Applications (SATCOM – ARTES 3-4). Proposals can be submitted in response to **Open Competition** issued by ESA on specific subjects (fully funded by ESA) or at your own initiative through **Direct Negotiation** (50% funded by ESA). Depending on the level of maturity of your project, ESA programmes offer different funding schemes.

#### DIRECT NEGOTIATION



300kEuro  
(100 or 50%)

50 kEuro  
(< 50%)

<50%

<50%