

# ESA SPACE SOLUTIONS DOWN TO EARTH

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CEO TECH2MARKET**

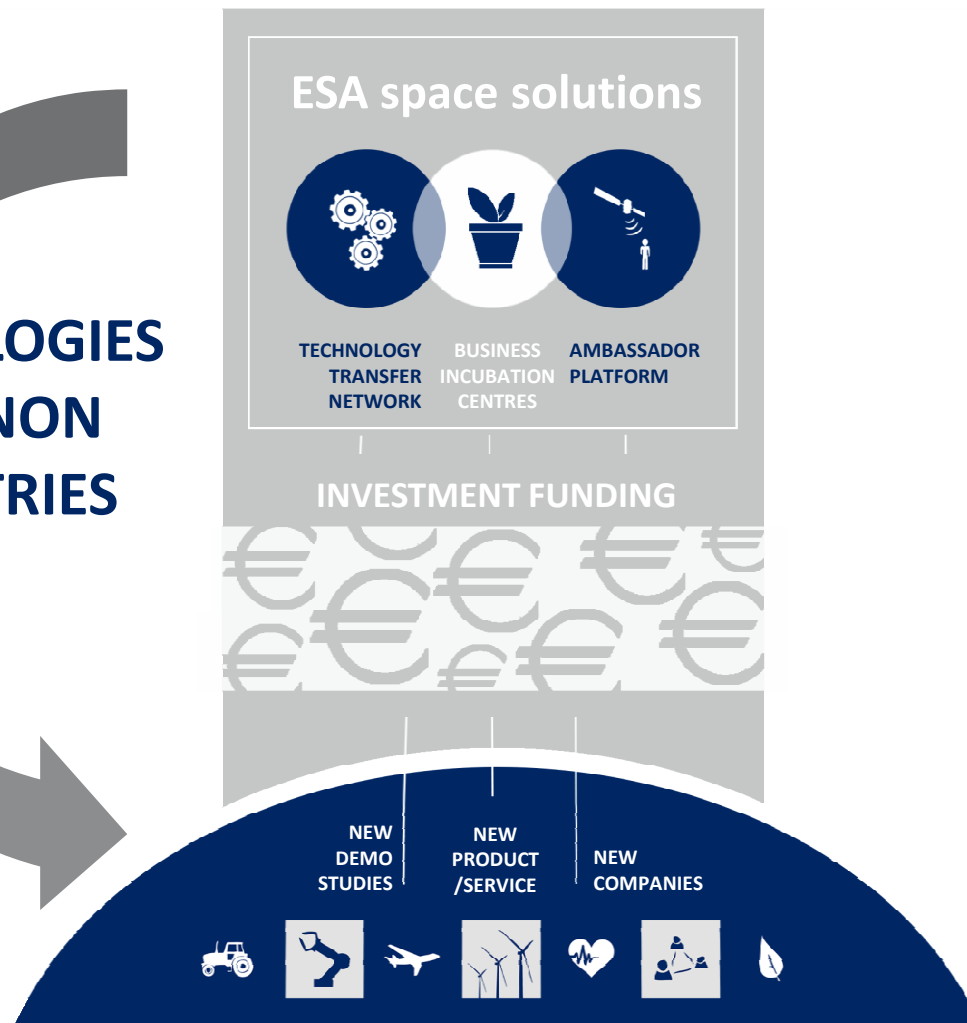
**French Broker for the Technology Transfer  
Programme of the European Space Agency**

**KRAKOW, 22/04/2016**

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# ESA SPACE SOLUTIONS - MISSION

**SPACE TECHNOLOGIES  
BENEFITS IN NON  
SPACE INDUSTRIES**



**esa**  
space solutions

# ESA SPACE SOLUTIONS - ACTIONS

ESA PATENT PORTFOLIO	BROKER NETWORK	AMBASSADOR PLATFORM	BUSINESS INCUBATION	INVESTMENT SUPPORT
<b>150</b> inventions covered by <b>450</b> patents	<b>15</b> BROKERS  <b>300</b> TRANSFERS	<b>11</b> AMBASSADORS  [Part of the ARTES Application Programmes]	<b>11</b> CENTRES  <b>100</b> new start-ups p/y  <b>250</b> SUCCESES	Venture Capital Fund  Investment Forums and training
				

# ESA BROKER NETWORK

ESA Technology Transfer Network  
Across 15 Countries

**Tech2Market**

French Broker of  
the ESA  
Technology  
Transfer  
Programme

## LEGEND

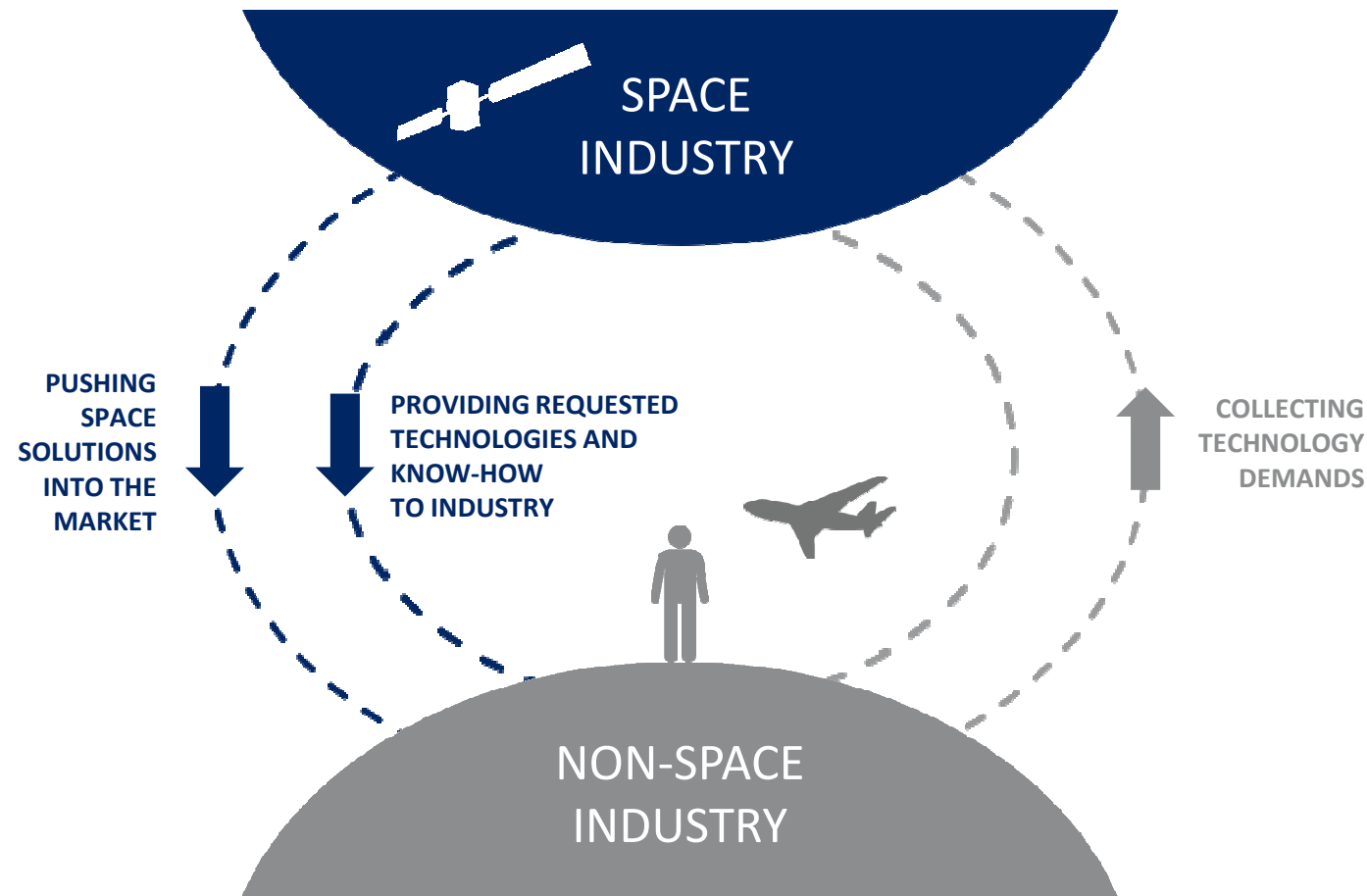
- ESA Broker
- ⦿ ESA Broker Prime Contractor



**esa**  
space solutions



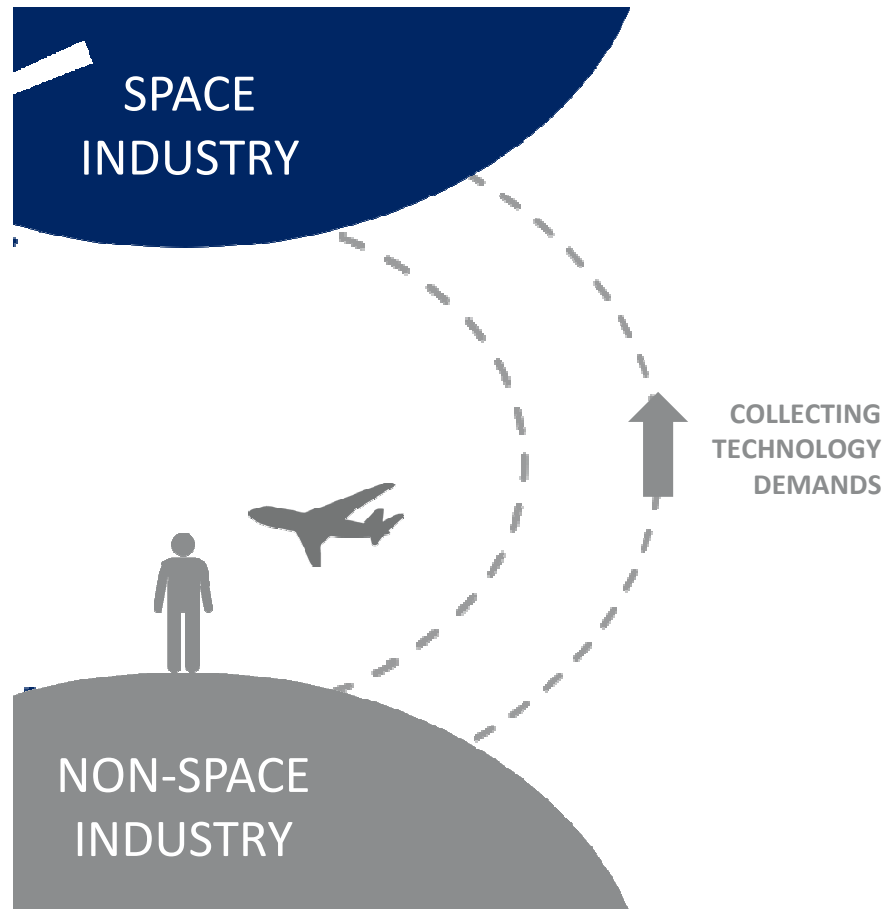
# BROKER ROLE – TECHNOLOGY TRANSFER PROGRAMME



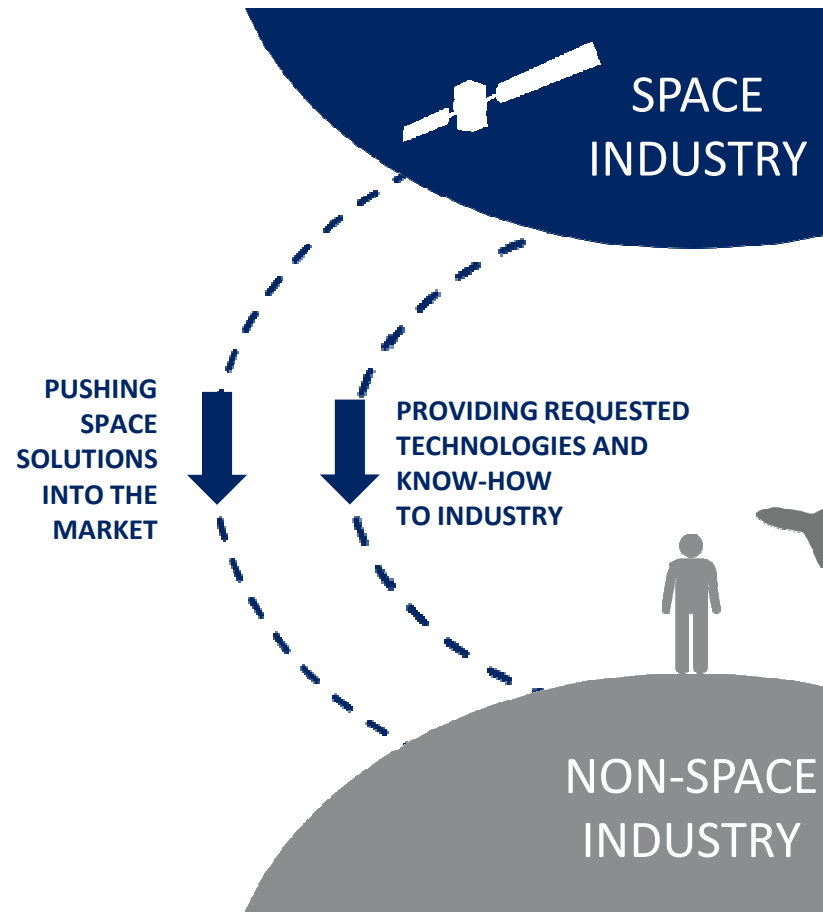
# BROKER ROLE – MARKET PULL

## TOOLS :

- Market analysis
- Fairs
- Meetings with non space industry
- Needs collection
- Search for solutions
- Connexions



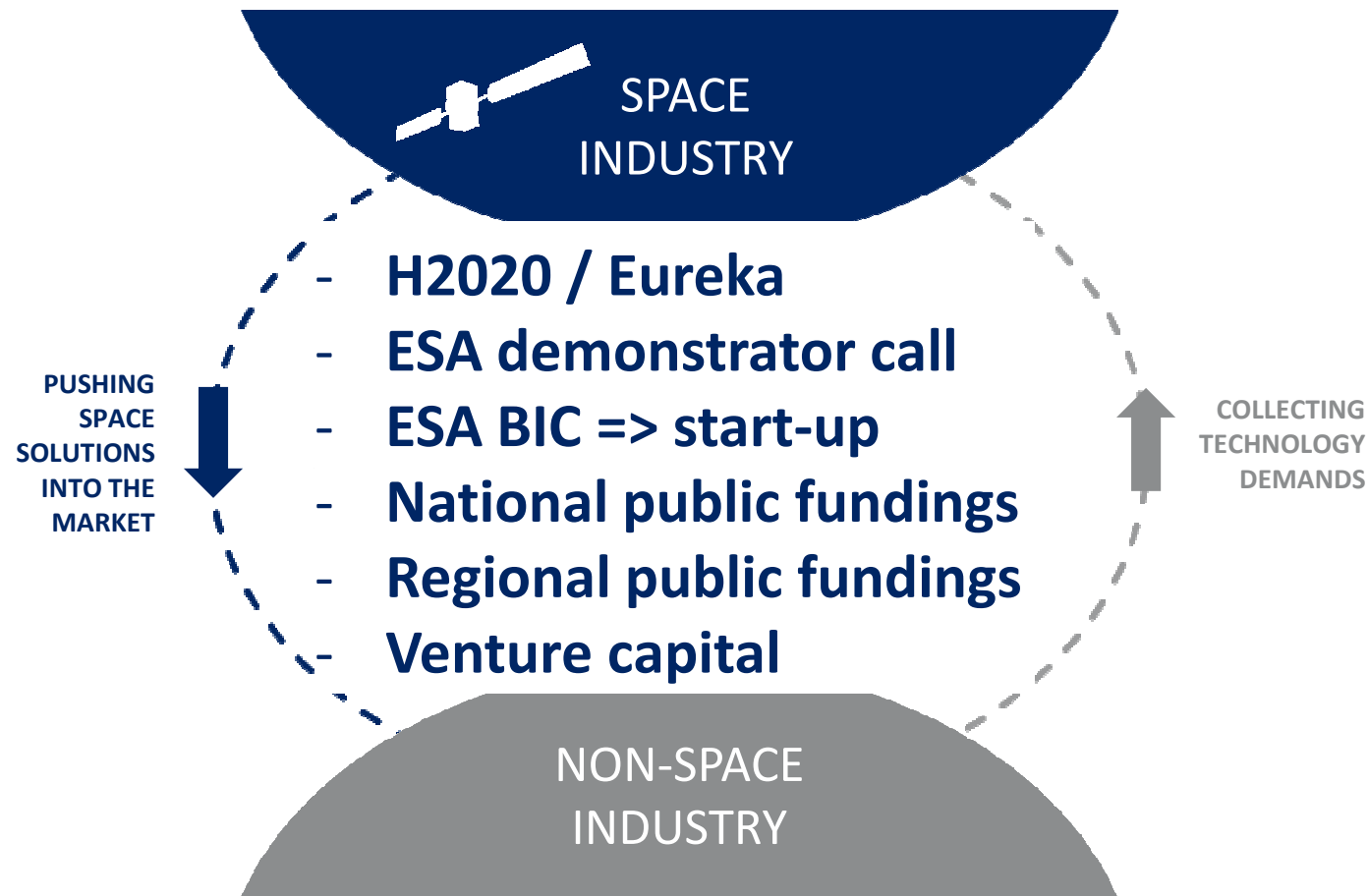
# BROKER ROLE - TECHNOLOGY PUSH



## TOOLS :

- Space networks
- Meet space lab/SME
- ESA IP
- Define tech to promote
- Esa-tech.eu
- Opportunities analysis
- Direct contacts
- Thematic events

# FINANCING SUPPORT TO TT





# FROM SPACE TO MEDICAL SUCCESS STORY-AIRINSPACE



## Space origin:

- 1990: Development of a technology of air biological decontamination in manned spacecrafts by a group of russian scientists
- 1997: Installation of the treatment units Plasmer on board the MIR station
- 2001: Air purification and micro-organisms destruction in russian zones of the ISS.

## New applications in aeronautics and medical

- 2001 : Technology Transfer to protect immuno-deficient in hospitals
- Confined spaces of present transportation modes promote cross-contamination risks and increasingly require the transportation industry to improve airborne contamination control
- Airinspace therefore adapted the HEPA-MD technology to such needs working with leading OEM partners in aeronautics.

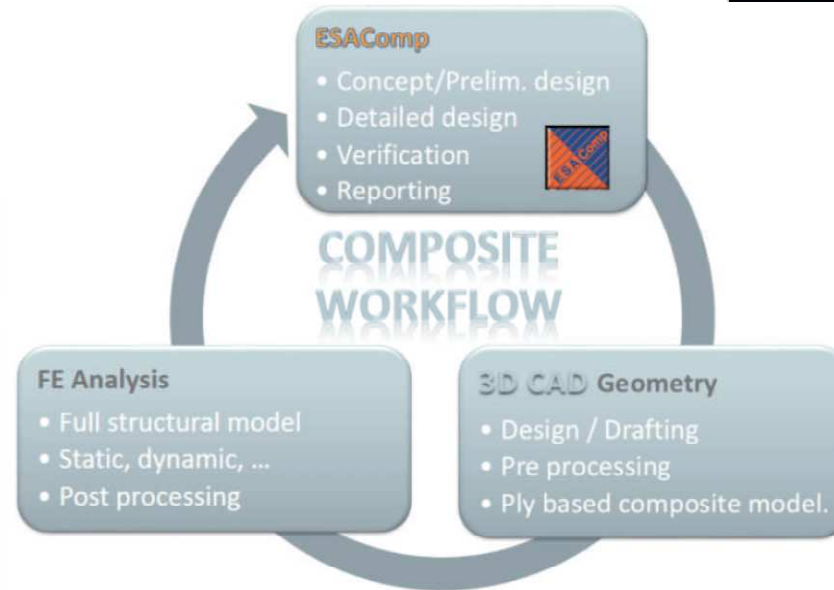


# FROM SPACE TO SOFTWARE SUCCESS STORY- ESA COMP

## ESA Comp – A Space origin in the early 1990's

- The European Space Agency (ESA) initiated the development of ESAComp in the early 1990's to create a standard tool to replace the various in-house codes used by the aerospace industry for the analysis and design of composite structures.
- Today, users of ESAComp come from all industries using high-performance composites:

Aircraft  
Transport  
Energy  
Machine Design



# FROM SPACE TO AERONAUTICS SUCCESS STORY – MAP COATING

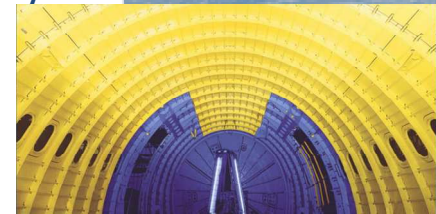
## Space Origin - MAP Coatings for CNES and ESA

MAP works in close technical collaboration with CNES, ESA and the major actors in the space industry (under research contracts) for the design of high technology coatings for satellites and launchers.

- Antistatic Paints providing Antistatic Protection and Radiotransparency
- Silicone polymers synthesis for space industry

## A successful diversification strategy from space to non space

- Since 2004, Mapaero has established itself as a major manufacturer of OEM approved water based paints for commercial passenger cabins from Airbus, Boeing, Eurocopter, Bombardier and Embraer
- The company diversified its activities and especially through the creation of a new range of silicone adhesives for the ground photovoltaic panel with high level of stability based on the space experience.
- The new range of product is called MAPSIL® SOLAR.





# LET'S START BROKER ACTIVITIES IN POLAND !



## SOURCE SPACE TECHNOLOGIES

WITHIN OUR PORTFOLIO AND EUROPEAN NETWORK REGARDING YOUR NEEDS

## PROMOTE YOUR SPACE TECHNOLOGIES

THROUGH A DEDICATED WEBSITE SHARED BY THE WHOLE TT NETWORK AND  
VISIBLE BY MANY INDUSTRIAL END-USERS

## TRANSFER YOUR SPACE TECHNOLOGIES

THANKS TO MARKETING AND OPERATIONAL SUPPORT ON A DEDICATED MARKET

## SHARE YOUR SUCCESS

PROMOTE A SUCCESSFUL TRANSFER CASE THROUGH A SUCCESS STORY

**SPACE IS  
KNOWLEDGE**

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