



# Project Croatia

## Collection of Information

Dr. Agata Godulla, Neven Tikvica, Dr. Tom Cvrlje

**AIRBUS**  
GROUP

# Purpose of the Croatia Trip

## Objectives

### Objective

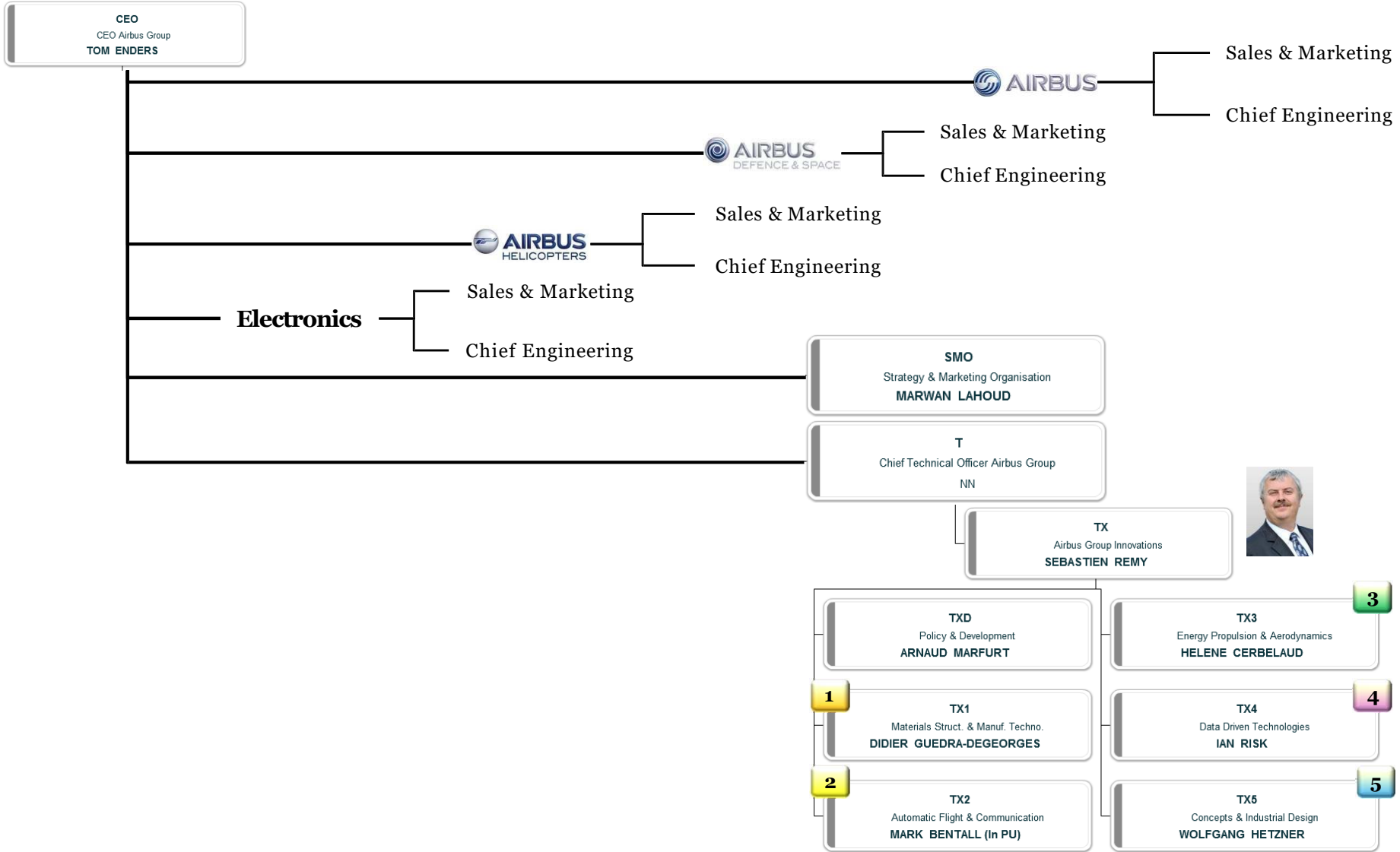
- 1. Learn more about Airbus**
- 2. Learn more about Croatian Scientific and Business Community**
- 3. Learn more about the Croatian Project**
- 4. Agree and Harmonise the Mindmap and SWOT**
- 5. Elaborate possible Project Ideas**
- 6. Elaborate further roadmap**

### Closure Criteria

- Presentation of Organisation
- Presentation of Participants
- Presentation of Entities
- Presentation of Participants
- Ideas on Croatian Project available
- Mindmap + SWOT available
- Project Ideas available
- Roadmap available

## Organisation

**AIRBUS**  
GROUP



**AIRBUS**  
GROUP

# Roadmaps

## Innovation Centres

**Innovation Centre 1**  
Materials, Structures +  
Manufacturing Technologies



**Examples for Field of Interest**  
Metallic and Composite Technologies  
Composite Manufacturing  
Sensors in Structures  
Energy Storage Materials  
Surface Technologies

**Innovation Centre 2**  
Automatic Flight and  
Communication



**Examples for Field of Interest**  
Remote Sensing

**Innovation Centre 3**  
Energy, Propulsion and  
Aerodynamics



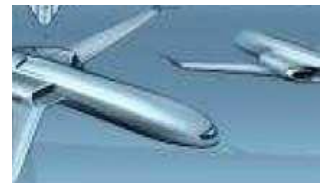
**Examples for Field of Interest**  
Electrical Power Machines  
Electric Technologies  
Electronics for Space Applications  
Electromagnetics  
Fuel Cells  
Aeromechanics and Acoustics

**Innovation Centre 4**  
Data Driven Technologies



**Examples for Field of Interest**  
Advanced Numerical Methods  
Operational Intelligence  
Virtual Product Engineering  
Predictive Maintenance

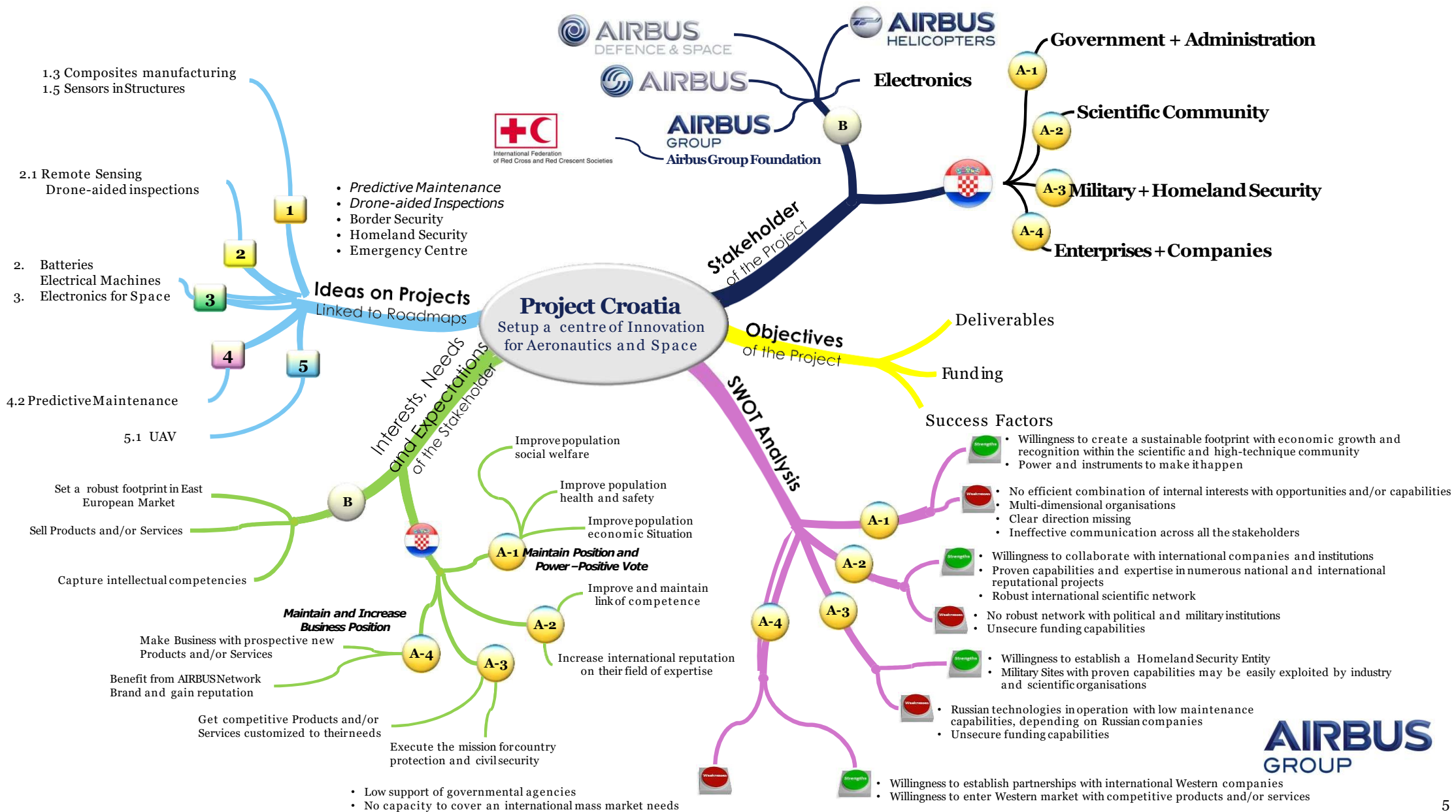
**Innovation Centre 5**  
Concepts and Industrial Design



**Examples for Field of Interest**  
UAV Systems

# Stakeholder Analysis

## Mindmap



# SWOT

## Government and Administration (A-1)

### Strengths

- Willingness to create a sustainable footprint with economic growth and recognition within the scientific and high-technique community
- Power and instruments to make it happen

### Weaknesses

- No efficient combination of internal interests with opportunities and/or capabilities
- Multi-dimensional organisations
- Clear direction missing
- Ineffective communication across all the stakeholders

### Opportunities

- As a new member of the EC, Croatia will get access to EC funding for research and business
- The notion to centralise and combine activities of border security, emergency ... under the roof of homeland security

### Threats

- Increased illegal immigration movement
- Natural disasters, e.g. flooding, fire

# SWOT

## Scientific Community (A-2)

### Strengths

- Willingness to collaborate with international companies and institutions
- Proven capabilities and expertise in numerous national and international reputational projects
- Robust international scientific network

### Weaknesses

- No robust network with political and military institutions
- Unsecure funding capabilities

### Opportunities

- As a new member of the EC, Croatia will get access to EC funding for research and business
- The notion to improve working with international institutions and high-tech business leaders
- The notion to create a R&Tcentre of excellence

### Threats

- Low support of governmental agencies

# SWOT

## Military and Homeland Security (A-3)

### Strengths

- Willingness to establish a Homeland Security Entity
- Military Sites with proven capabilities may be easily exploited by industry and scientific organisations

### Weaknesses

- Russian technologies in operation with low maintenance capabilities, depending on Russian companies
- Unsecure funding capabilities

### Opportunities

- As a member of the NATO, Croatia will get access NATO initiatives and standards
- The notion to improve collaboration with Western counterparts

### Threats

- No close cooperation with R&D projects in-country



# SWOT

## Enterprises and Companies (A-4)

**Strengths**

- Willingness to establish partnerships with international Western companies
- Willingness to enter Western market with competitive products and/or services

**Weaknesses**

- Low support of governmental agencies
- No capacity to cover an international mass market needs

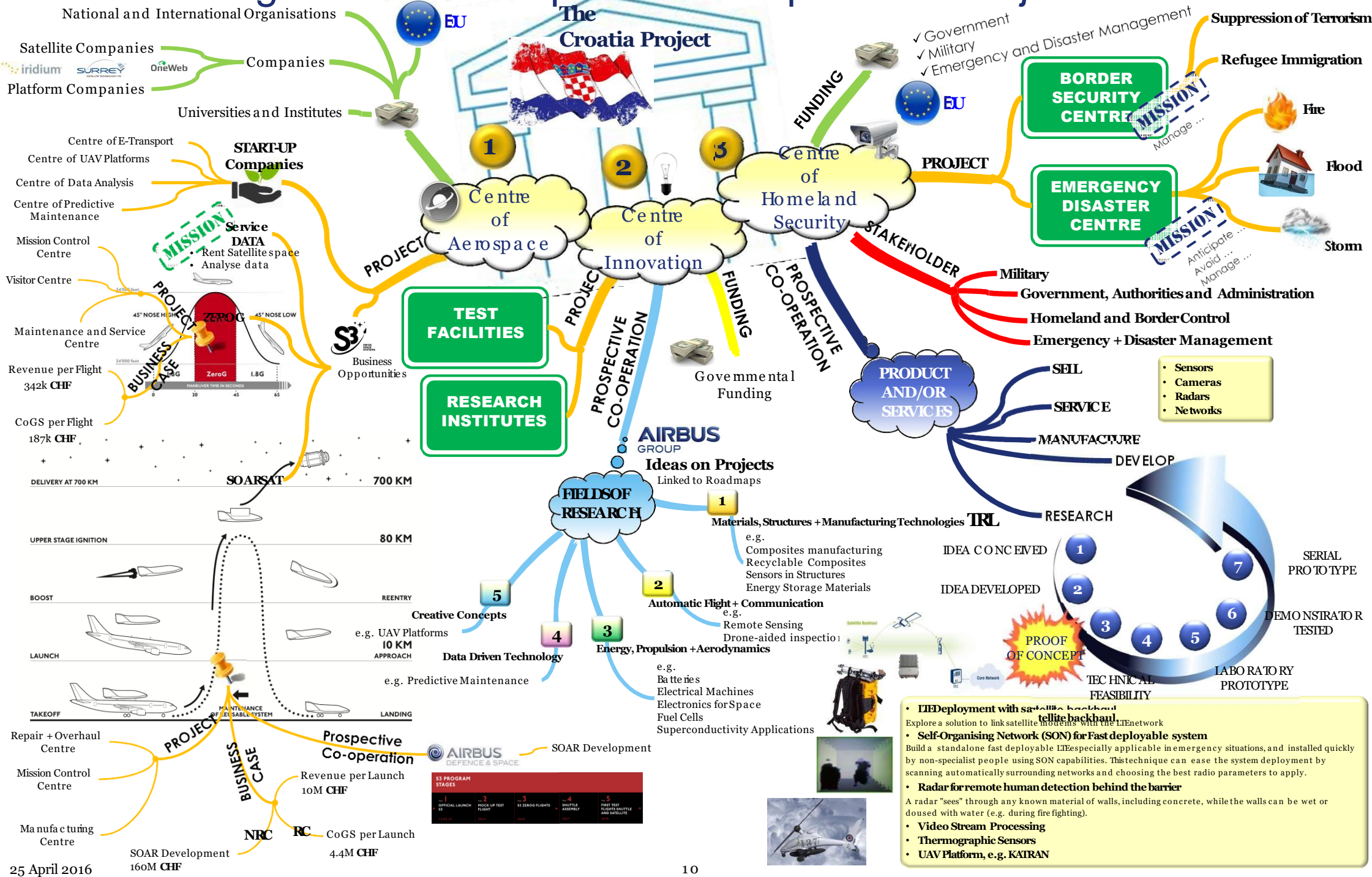
**Opportunities**

- The notion to improve collaboration with Western counterparts
- The notion to create a R&D centre of excellence

**Threats**

- ...

# Brainstorming Ideas on Prospective Co-operation Projects



25 April 2016

# Centre of Homeland Security Pillar

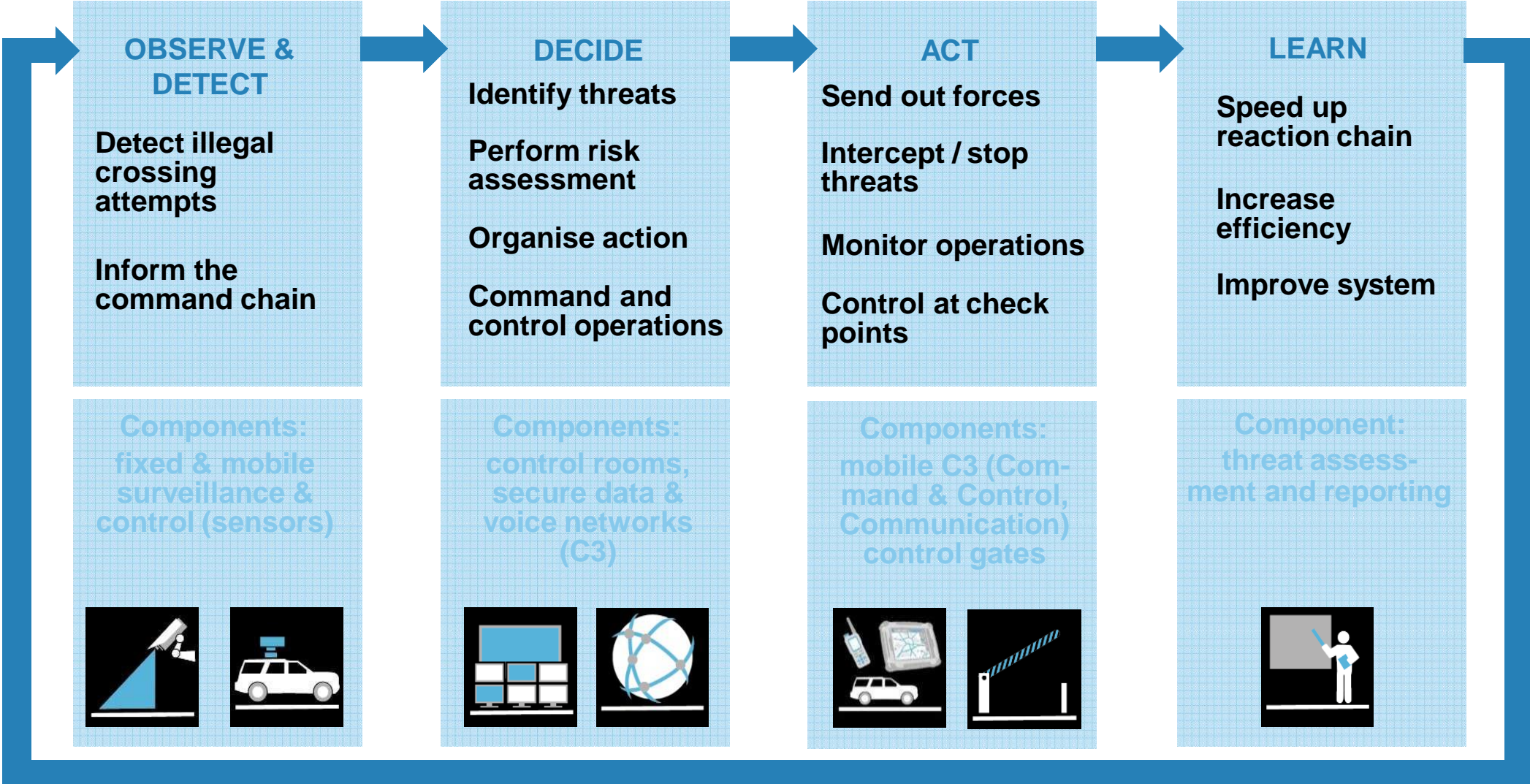
## Example



**AIRBUS**  
GROUP

# Centre of Homeland Security Pillar

## Homeland Security – needs!



# Centre of Homeland Security Pillar

## Homeland Security – interoperability!





LAND  
SEA  
AIR

JOINT FORCES ASSETS

JFHQ

MISSION

ORDERS

REPORTS

RELEVANT AIR PICTURE

RELEVANT MARITIME PICTURE

BGHQ

MISSION

ORDERS

REPORTS

BORDER GUARD ASSETS

SEA LAND AIR





New generation technology for improved border surveillance



# Radars

**SPEXER™**  
security radars family



TRSS



TRS4D



TRS3D



# Optical & IR Sensors



Extreme long-range surveillance

NightOwl wide-area surveillance camera





AIRBUS  
CN235

TRS3D TRS4D

MEOS II

TRSS

LEO III HD

CERBERUS SONAR

Solutions for all types of Airborne  
& Naval Surveillance



# Centre of Homeland Security Pillar

## Homeland Security – the right solution!

