



International Civil Aviation Organization

Seventh Symposium and Exhibition
on ICAO MRTDs, Biometrics
and Security Standards

ICAO Headquarters, Montréal, Canada
12 - 15 September 2011



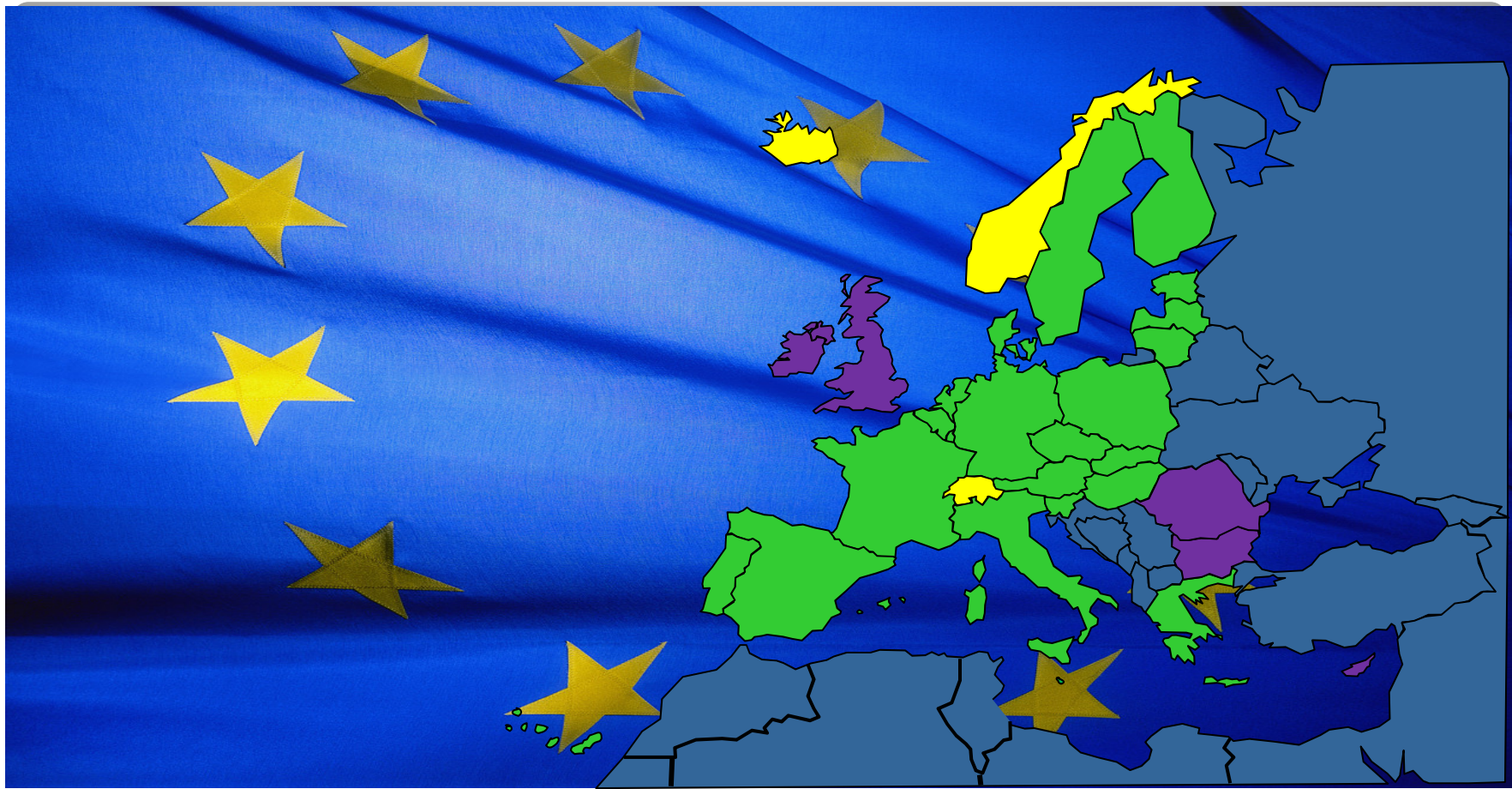
Frontex Study on Technical and Operational Security of Electronic Passports

Gustav Söderlind
Research Officer, Frontex, European
Union

- European Union Integrated Border Management
- Frontex
- Study on the Technical and Operational Security of Electronic Passports
- Conclusions and Recommendations

Outline

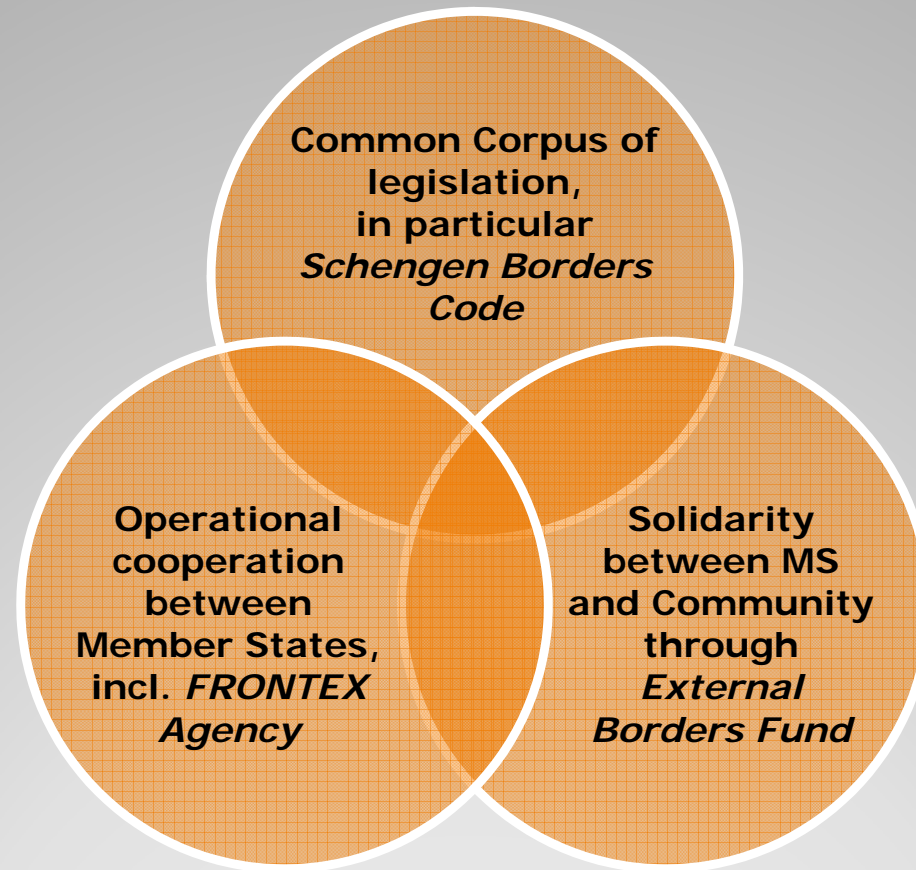
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EU Integrated Border Management

European Union, Schengen Area

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3 Components of Integrated Border Management

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- EUROSUR
- SIS II
- VIS
- Smart Borders Initiative (?)
 - Entry/Exit System (EES)
 - Registered Traveler Programme (RTP)

Activities & Initiatives

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EU Integrated Border Management

Frontex

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Frontex

**European Agency for the Management of Operational Cooperation at the External
Borders of the Member States of the European Union**

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“coordination of intelligence driven operational cooperation at EU level to strengthen security at external borders”

- European Agency for the Management of Operational Cooperation at the External Borders of the Member States of the European Union
- ~ 300 staff
- Budget 2011: 88 410 000 EUR
- Operational in Warsaw since October 2005

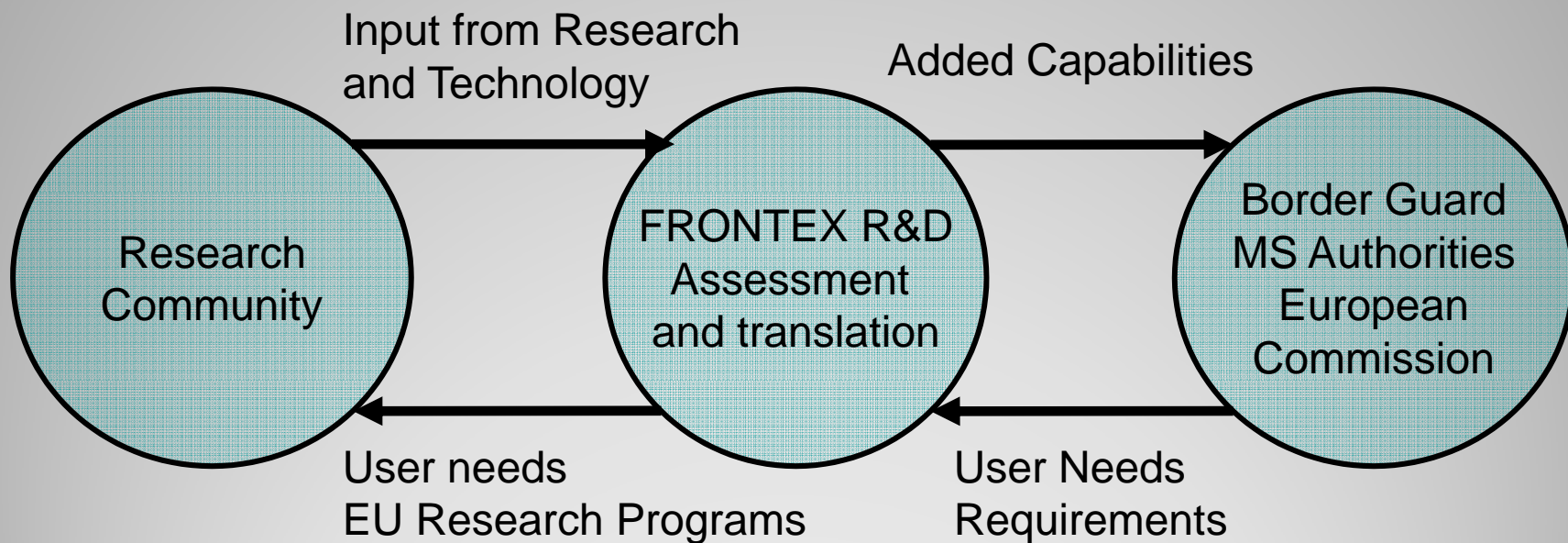
Frontex purpose

- Risk analysis
- Operations:
 - Coordination of operational cooperation between Member States
 - Assistance: technical and operational
 - Support in organization of joint return
- Training
- Research and Development

Frontex functions

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Proactively monitor and contribute to the developments in research relevant for the control and surveillance of external borders and disseminate this information to the Commission and the Member States.



Frontex Research and Development

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Frontex Study

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- **GOAL:**

Identify risks for technical and operational security of ePassports used in border controls in the EU

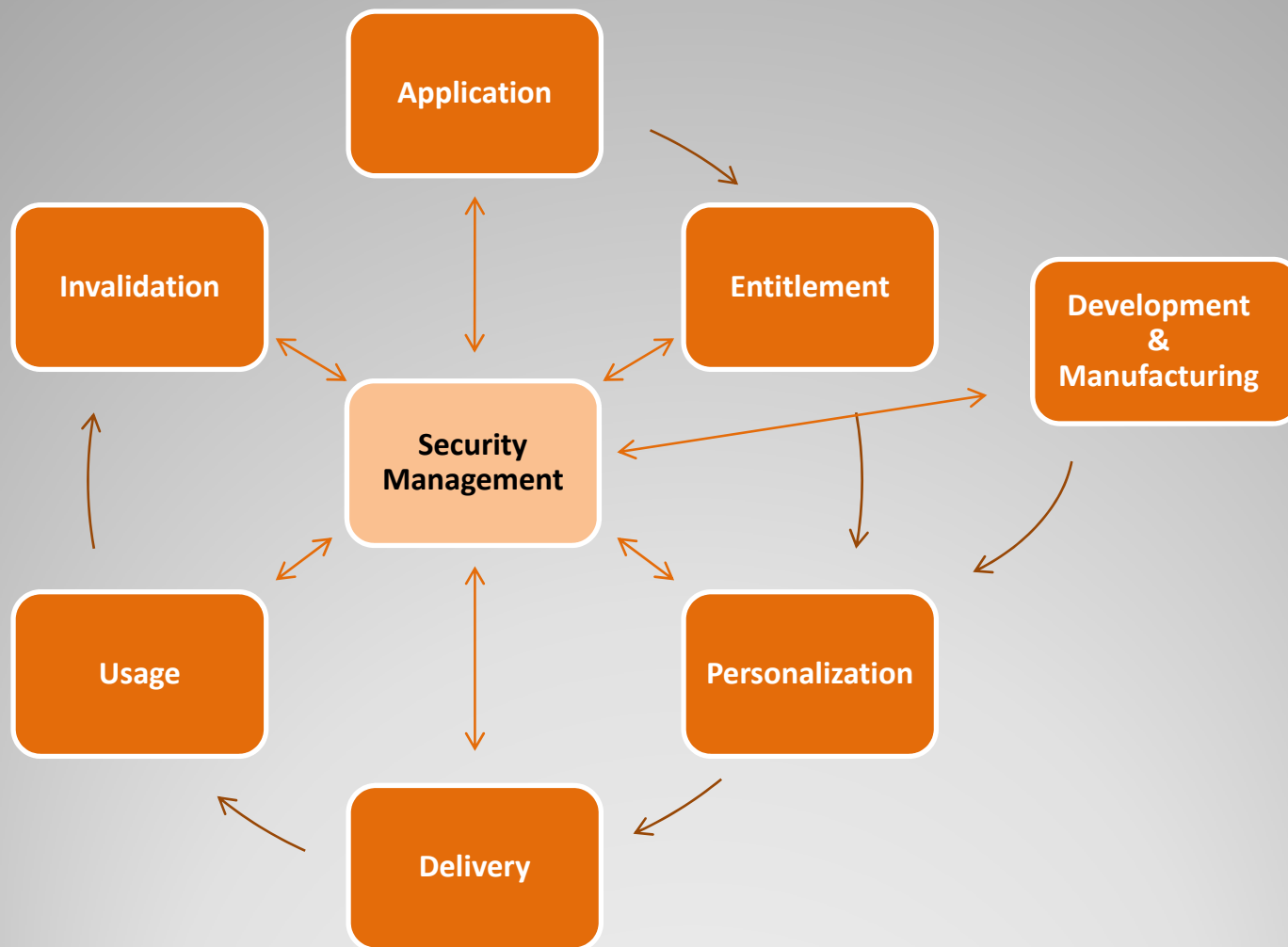
1. Technical security of e-passports (BAC, EAC);
2. Usage issues (including interoperability between member states);
3. Identify best practices for the issuance process;
4. Identify recommendations to redress security gaps in the issuance process.

- **CONSORTIUM:**

- PricewaterhouseCoopers
- Collis
- Radboud University Nijmegen

Terms of Reference

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Lifecycle Security

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Document Study

Interviews

Online Questionnaire

Workshop

Study structure

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- Issuance
- Look-alike
- Usage in Border Control
- Infrastructure
- Cloning
- ID-Cards



Conclusions & Recommendations

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FRONTEX
Rondo ONZ 1
00-124 Warsaw
Poland

Tel: (+48) (0) 22 544 9500
Fax: (+48) (0) 22 544 9501
Email: frontex@frontex.europa.eu

www.frontex.europa.eu



Thank you!

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