



Vanessa Zahorian & Kristin Longin Diverimento N° 15 - Photo (c) Erik Tomasson

# CHOReOS eXtensible Service Bus (XSB) Final Review - 6/11/2013

Georgios Bouloukakis (Inria)

THALES

Inria



LINAGORA

MLS  
Making Life Simple

Università

OW2  
Consorzium

CITY UNIVERSITY  
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vtrip  
GROUP

dell'Aquila



WIND

USP  
Fondazione Compagnia Center

SEVENTH FRAMEWORK  
PROGRAMME

CEFRIEL  
FORGING INNOVATION BRIDGES

CONSEL  
CONSORZIO ELIS  
per la formazione professionale superiore

CHOReOS  
Large Scale Choreographies

for the Future Internet

# Passenger-friendly airport use case

Airplane approach/land

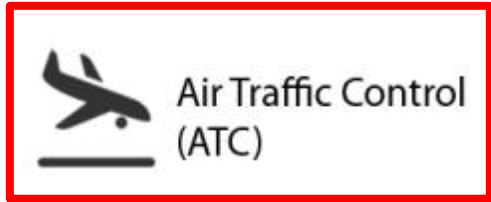
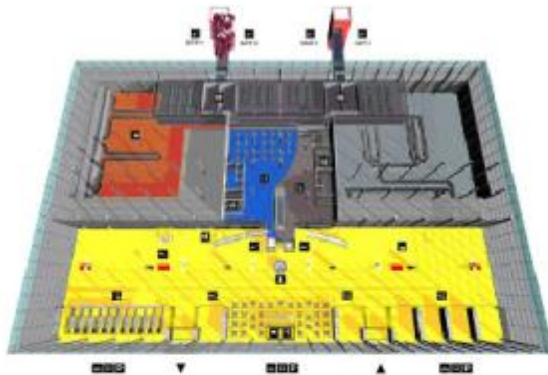
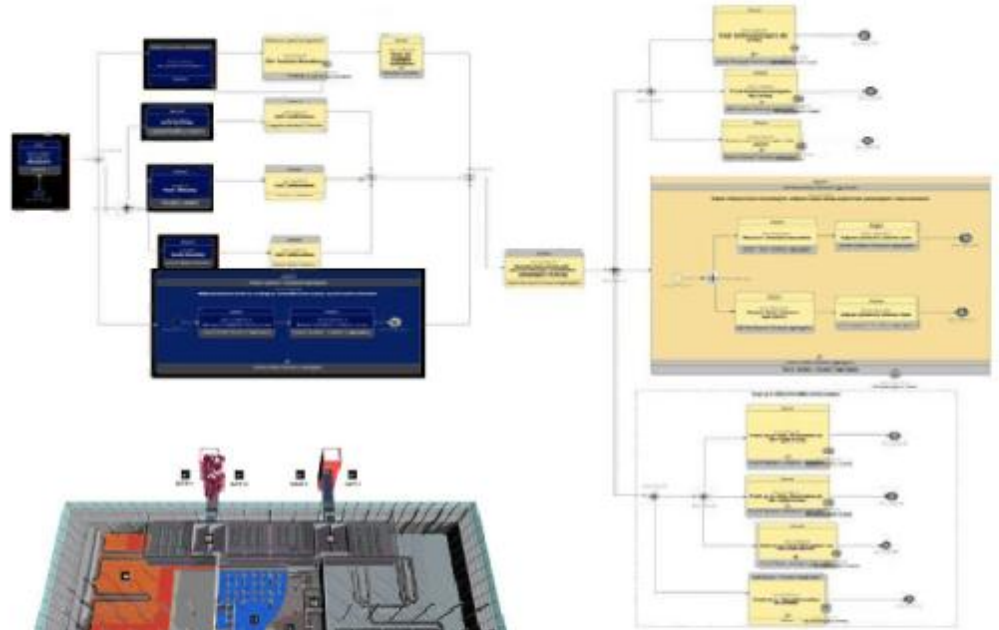


Zurich Airport Properties

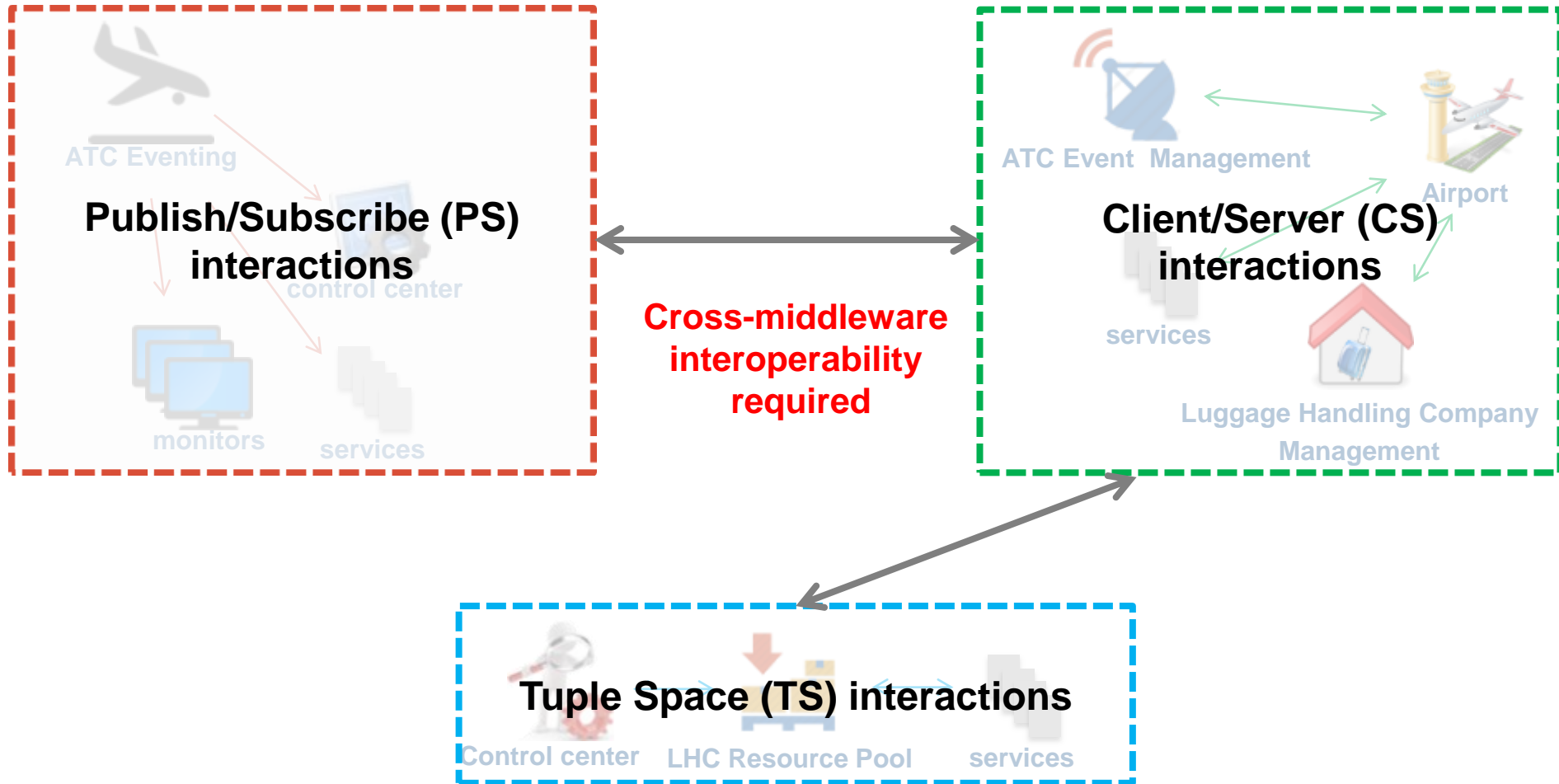
- Signs : ●●●●●●●●●●●●●●●●●●●●
- Noise sensors' average (dB) : 50,9
- Pressure sensors : ●●●●●●●●●●●●●●●●●●●●
- Infrared sensors : ●●●●●●●●●●●●●●●●●●●●
- Speakers' volume (dB) : 60,9
- Speakers' says : "gddu"

Smartphones (MIDs)

- Locations' average (coordinates) : N/A
- Noise sensors' average (dB) : 0,0
- Displays : N/A



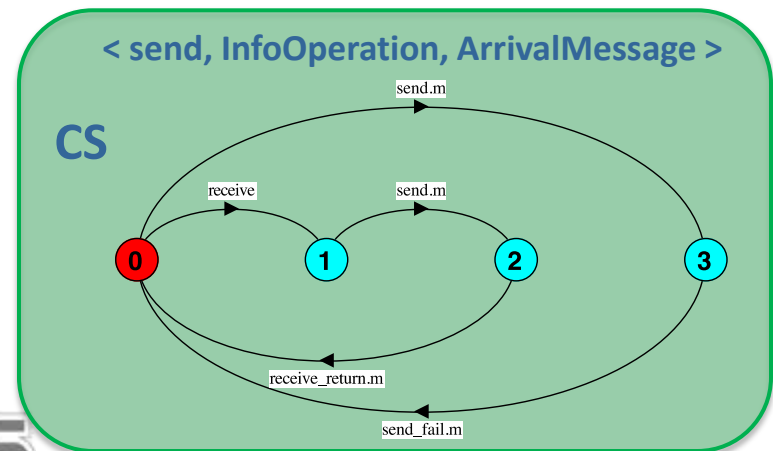
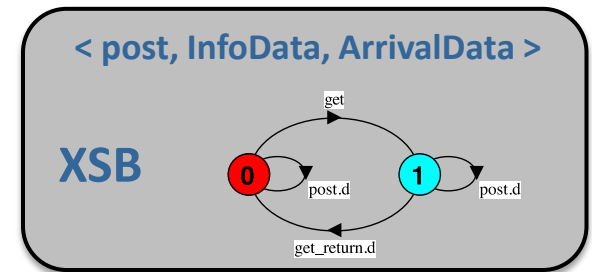
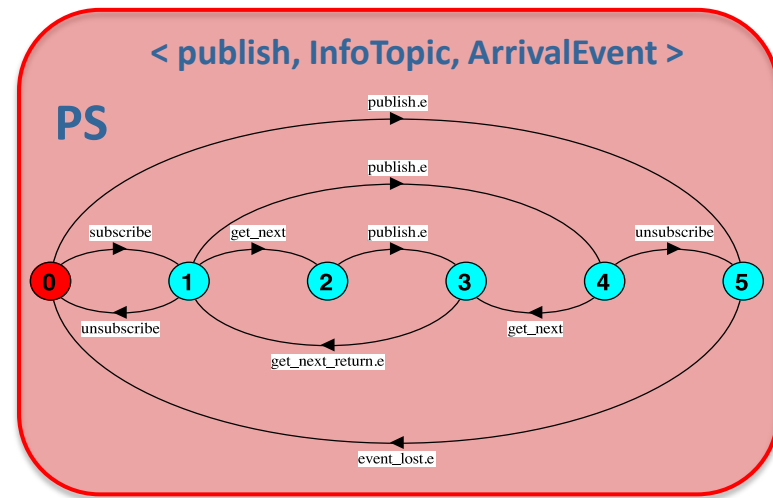
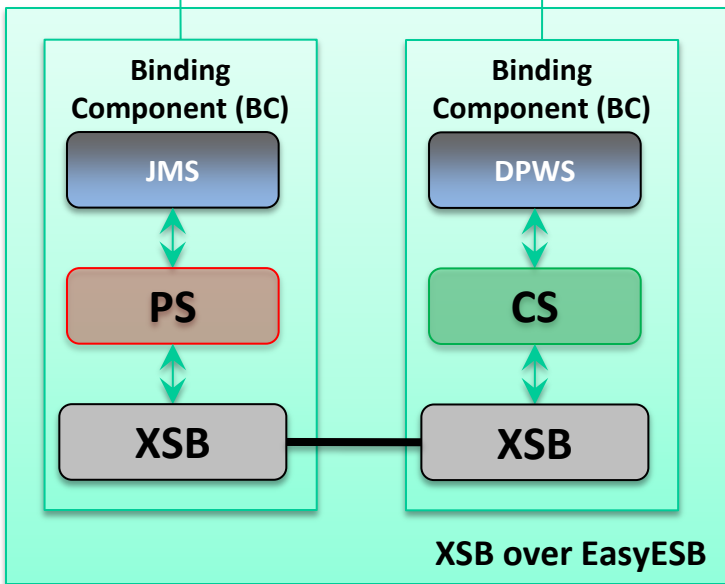
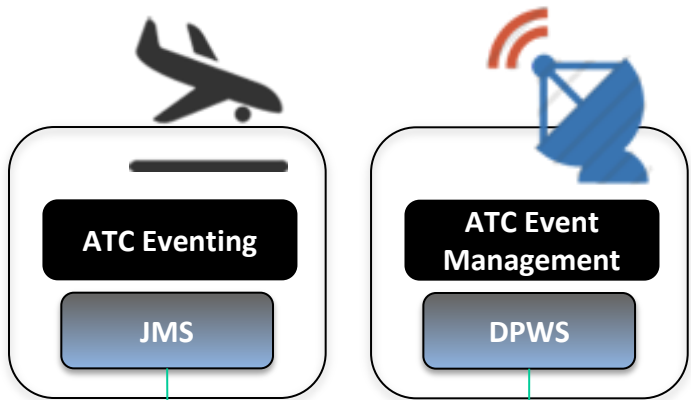
# Heterogeneous interactions in the Airport UC Choreography



**CHOREOS**

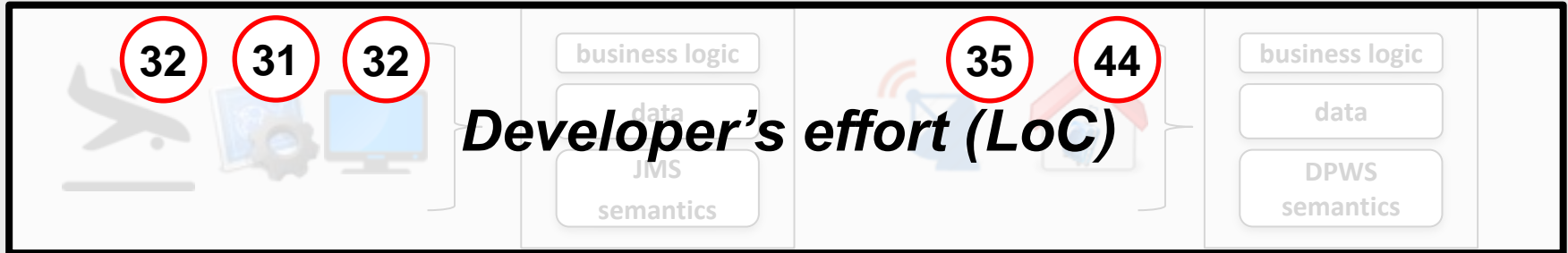
# XSB

- Supports heterogeneous interactions
- Deployed on top of EasyESB
- Formal mapping of protocols and data

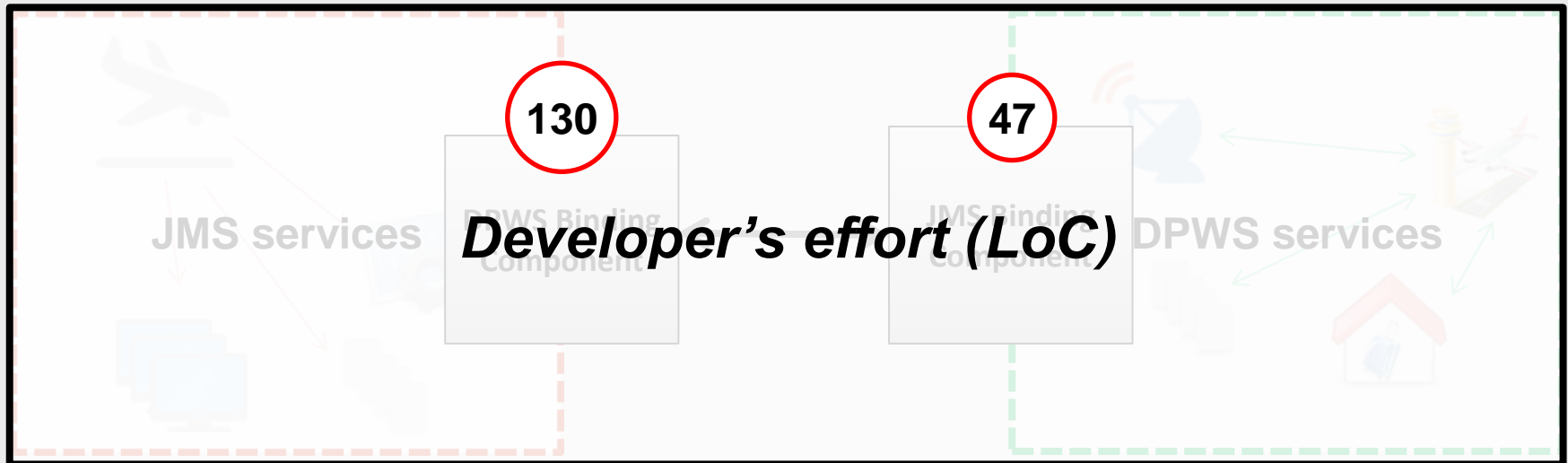


# XSB architectural framework (application developer)

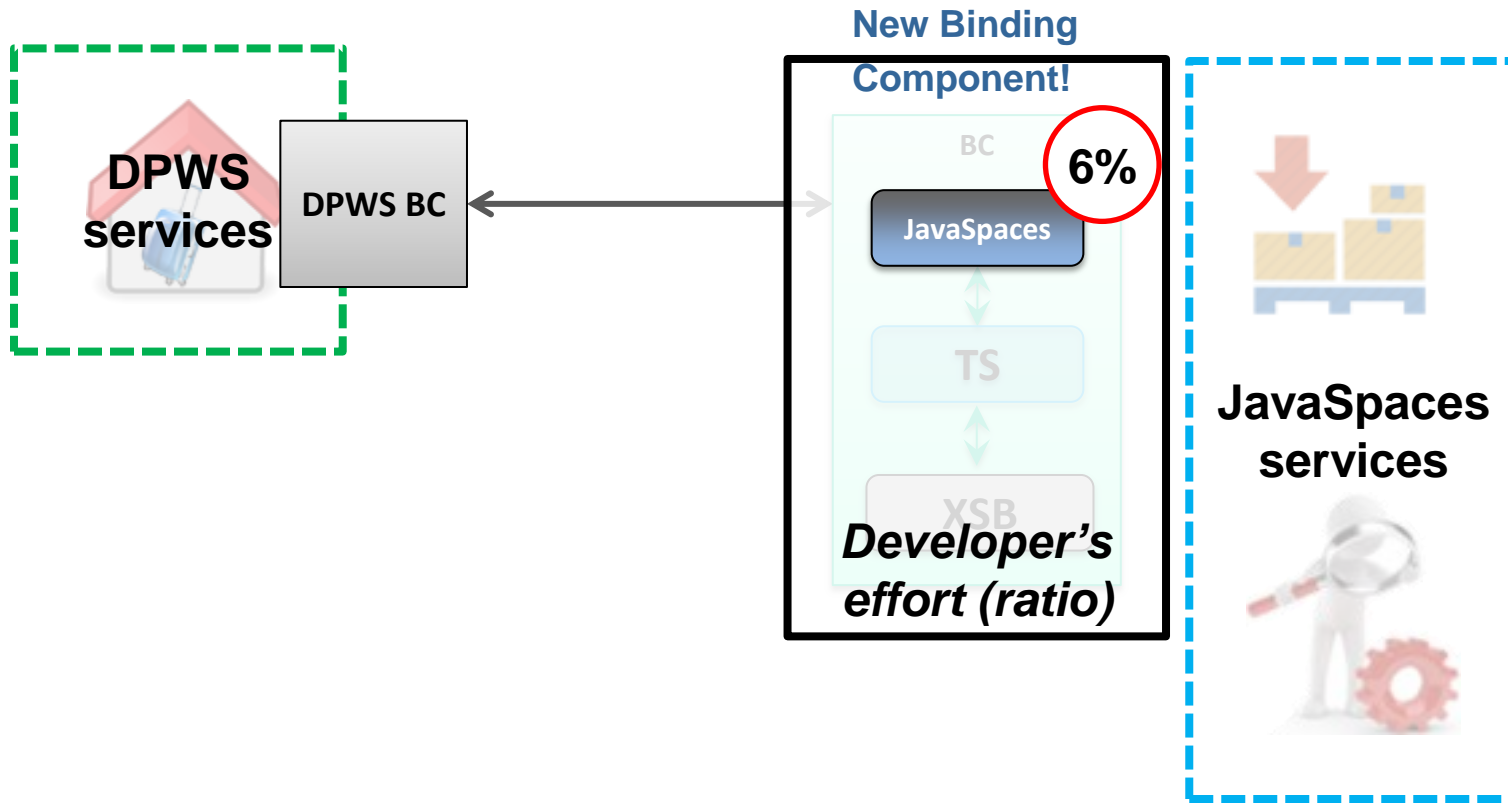
Service descriptions for the deployment of services on the XSB



Data mapping between services through BCs



# XSB architectural framework (middleware developer)



# Summary

## Service-oriented applications in the Future Internet

- Require cross-middleware interoperability

Tackle this challenge via the XSB