Introduction to

OASC

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CEO
Open & Agile Smart Cities
(OASC)

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OPEN & AGILE SMART CITIES

One city is not a market

What is minimally needed for cities to exchange solutions, services, and data?

OASC

Key Facts
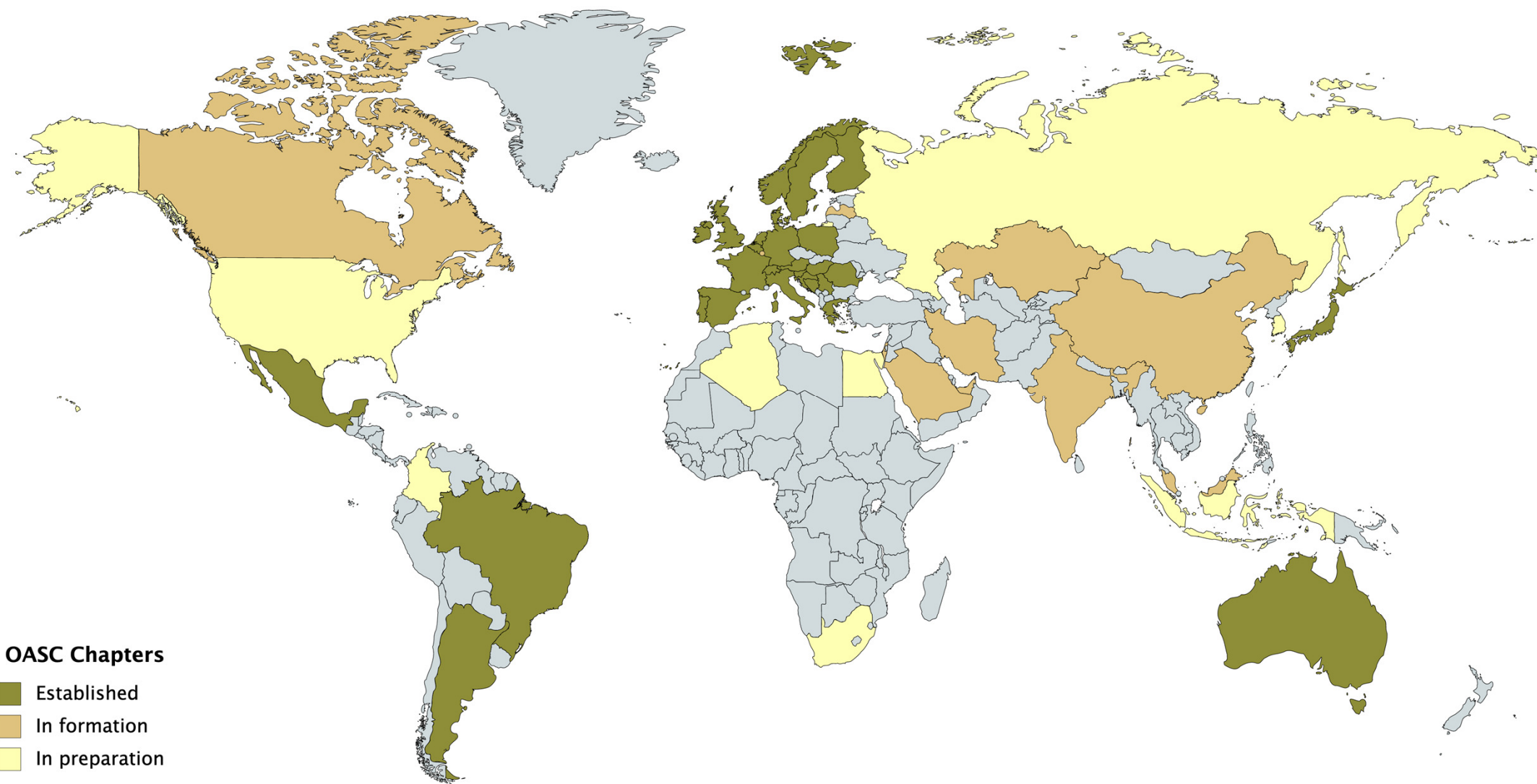
- Started as initiative 4.5 years a__ with __ cities from 7 countries/chapters

- Currently 150+ cities in 30+ __ntr__

- Incorporated as not-for-profit __Br__els__s __
  - Founding partners IMEC (B__ Aar__s __versi__ (D__ Connected Places Catapult (__ B__ss T__re (__

- Global community of cities buildi__ __se__ on h__o exchange solutions, services, and __ta__

OASC Chapters

Established

In formation

In preparation

Governance

Board of Directors

Chair: Martin Brynskov
Aarhus University

Management

CEO: Davor Meersman
OASC

Council of Cities

Chair: Bart Rosseau
City of Ghent

Working Groups

Mobility, Standards,
Funding, Certification, …

**Cataogue &
Certification**

SynchroniCity,
POINTs, Fund,…

Tech & Partnerships

TM Forum, WEF, FIWARE, ISO,
ITU, ETSI, Eurocities,…

Training & Events

OASC Academy, CSCC,
SynchroniCity Live, SCEWC,…

150+
Cities

30+
Chapters

» OASC Minimal Interoperability Mechanisms (MIMs)
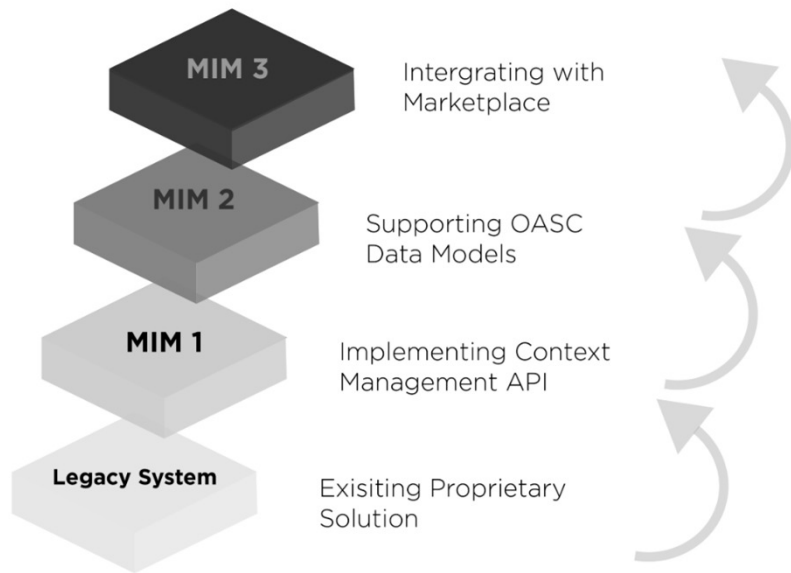
SYNCHRONICITY

MIM 1: Context Information Management

- Orion (TAREX)
- Sco... (NEC)
- Dja... (Sens...)
- Ob... (ima...)
- TBC ...ong...
- TBC ...(SY...

MIM 2: Common Data Models

MIM 3: ...Syste... ...ans...ions ...na...ment

MIM 4: Personal Data Management (HEL)
MIM 5: Fair AI (AMS)

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MIMs: Based on global open standards

MIM	Name	Standards & [Baselines]	Reference
1	OASC Context Information Management MIM	ETSI NGSI-LD prelim API, OMA NGSI, ITU- T SG20/FG-DPM [FIWARE NGSI]	Reference Architecture for IoT-Enabled Smart Cities (SC-D2.10)
2	OASC Data Models MIM	[SAREF, FIWARE, GSMA, schema.org, SynchroniCity RZ + partner data models]	Guidelines for the definition of OASC Shared Data Models (SC-D2.2) Catalogue of OASC Shared Data Models for Smart City domains (SC-D2.3)
3	OASC Ecosystem Transaction Management MIM	[TM Forum Business Ecosystem API, FIWARE Business Ecosystem and Marketplace Enabler API, SynchroniCity API]	Basic Data Marketplace Enablers (SC-D2.4) Guidelines for the integration of IoT devices in OASC compliant platforms (SC-D2.6)

MIMs
Return on Investment

- **Cities**
  - Decrease vendor lock-in
  - Raise innovation baseline

- **Companies**
  - Decrease cost and risk
  - Increase scale and investabili

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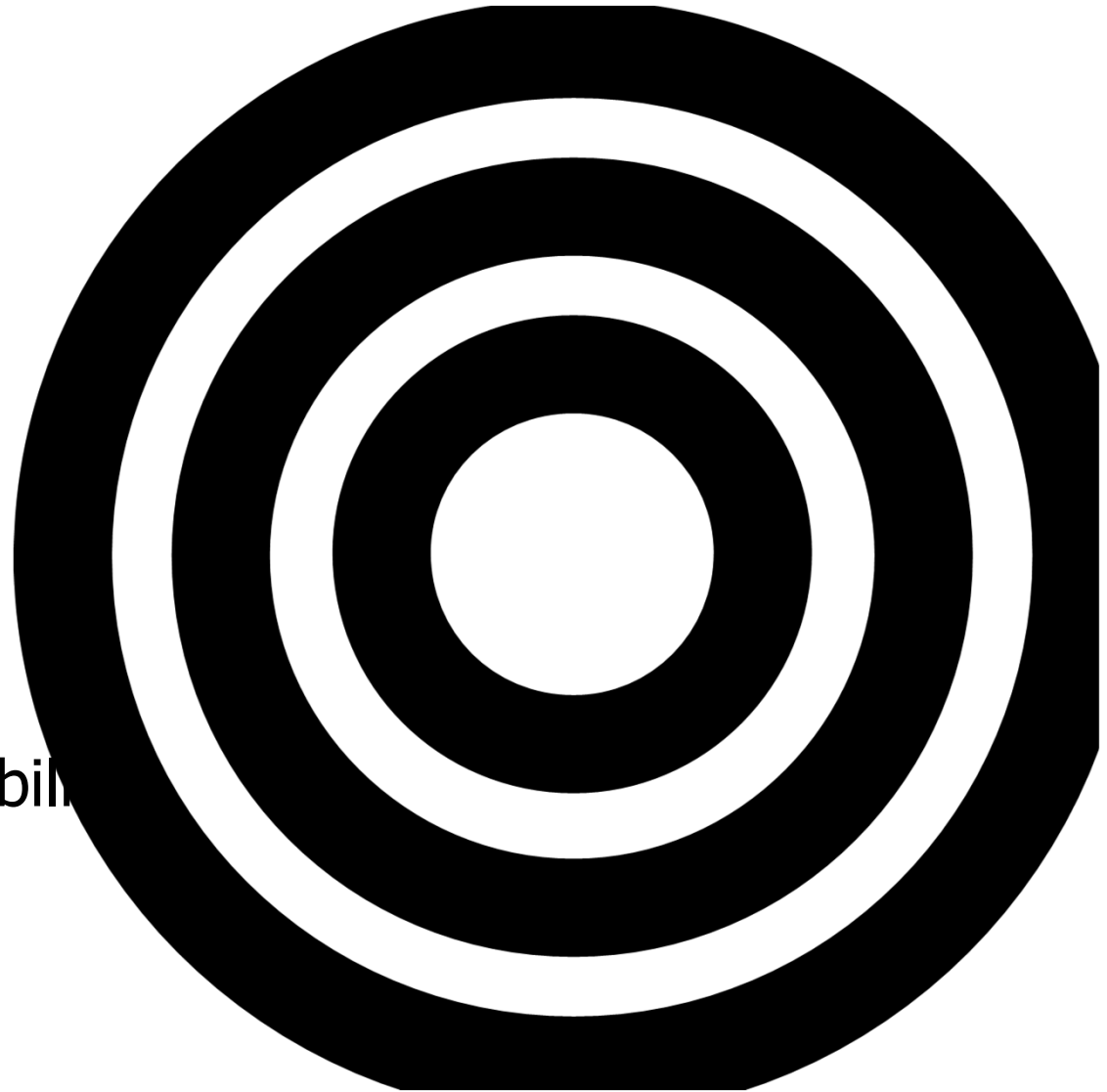
» MIMs
Status

20+ operational deployments worldwide
- Including Milan, Vienna, Porto, Helsinki, ... ande... ...en, A...erp, Carouge, Manchester, Seongnam, ...ord...

150+ formal adoptions worldwide
- Including London, Amsterdam, T...yo, ...ba... ...ou... ...De... Janeiro, Buenos Aires Region, Le... Gh... A...e, Saraje... ...am...
- Pending: Dubai, Montreal, Toront... ...her... ...ine... ...bac... Guadalajara

30+ countries
- Currently average of 4.8 cities per countr...

Current Position of OASC

Global Partners

Global Positions

European Commission:

- Strategy Group Upscaling Digital Solutions
- Steering Committee Advanced Technologies for Industry
- Intelligent Cities Challenge
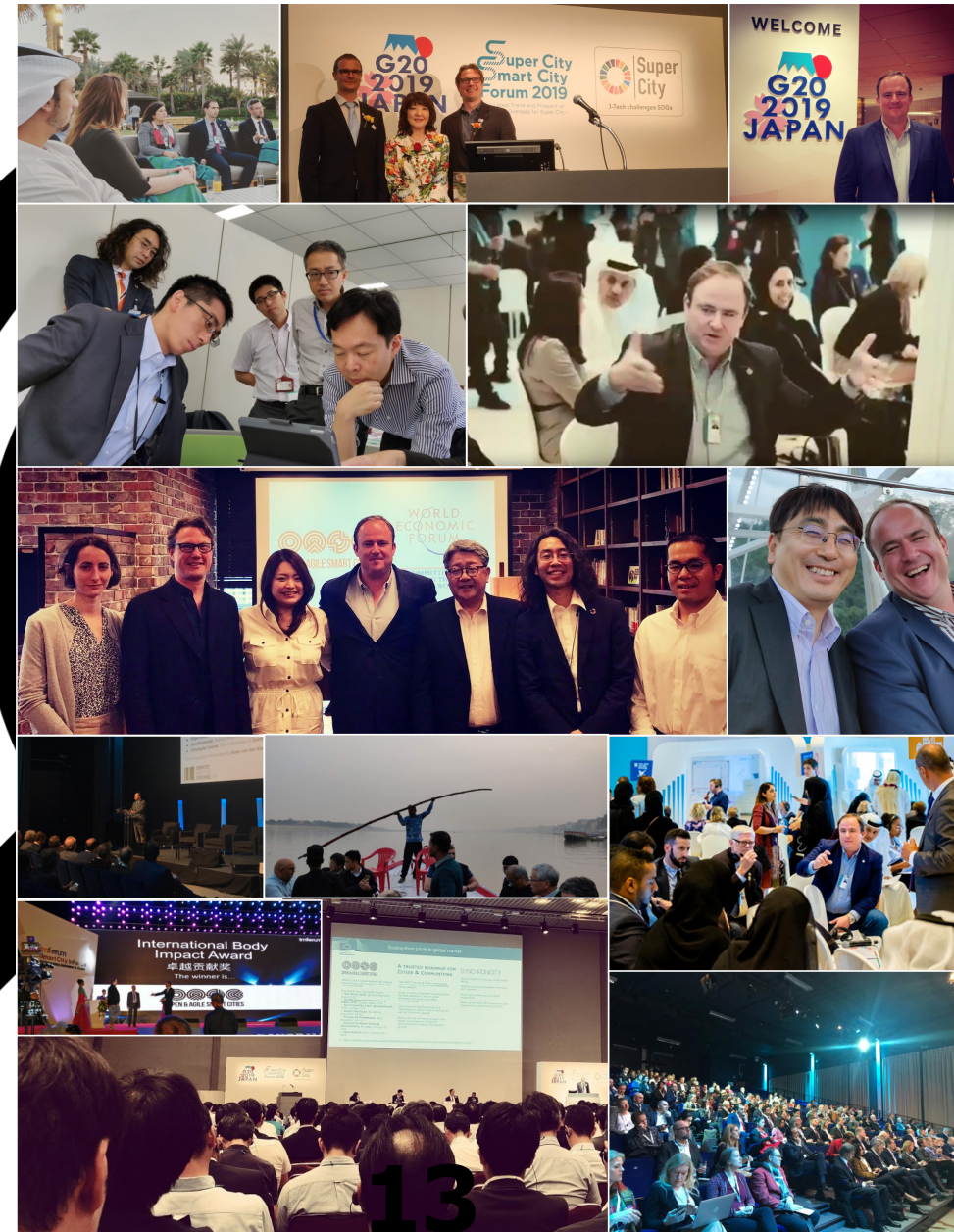- DEP Technical Working Group

United Nations:

- SG20 FG-DPM Co-Chair
- SDG11 Global Council
- U4SSC
- UN Habitat
- UNECE

World Economic Forum / G20 (Japan, KSA)

OECD

SDOs: ETSI, ITU, ISO, IEC, OneM2M

TM Forum, BDVA, AIOTI

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Project Portfolio

SynchroniCity

- H2020 LSP, EUR 20M+, 30+ partners
- First global reference project for OASC MIMs

CyberSecurity4Europe

- H2020, EUR 20M+, 40+ partners
- Smart cities security use case

DUET

- H2020, EUR 5M+, 15 partners
- Digital twins for cities

CEDUS

- EIT Digital, 5 partners
- Open source data and service ecosystem for cities

» SynchroniCity

SynchroniCity.solutions

- Solutions marketplace / catalogue

SynchroniCity.data

- Data marketplace / catalogue

SynchroniCity.fund

- Digital transformation fund for cit

SynchroniCity.LIVE

- Industry event (Copenhagen 2020 ... nction with Digital Transformation World)
- Exhibitors all OASC compliant (certific p package)

Services & Activities

Council of Cities

Working Groups

- Technical Committee
- Standards
- Mobility
- Certification
- Funding

Projects

- SynchroniCity
- Cybersec4Europe
- DUET
- CEDUS

Events

- Connected Smart Cities and Communities
- SynchroniCity LIVE Summit
- Smart City Expo World Congress

OASC Helpdesk

SynchroniCity Catalogue

OASC Academy

Procurement

» Save the Date
Upcoming Events

Connected Smart Cities and Communities
- 22-23 January 2020
- Brussels
- OASC's Annual Conference

Cities Forum
- 31 January 2020
- Porto

SynchroniCity LIVE

Summit
6-1   ne 2020
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