Sébastien Ziegler
6 Sept. 2011

www.smartipv6building.org
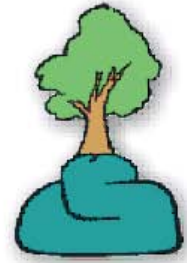
➔ Promote international cooperation

➔ Support delegates

➔ Research (ICT & sustainable development)

- Special consultative status to the UN, World Bank, UNGC, etc.

- ISOC & IPv6 Forum

Geneva context

UN, WTO, ITU, WMO, WHO, ILO, CERN, HCR, ISO, WIPO, UNAIDS, ECE, DC, UNICEF, IPU, OHCHR, IATA, CASO, UNFPA, UNITAR, UNIDIR, UNAIDS, UNEP, UNDP, ASISI, …

> 4'000 international meetings

~ 200'000 delegates

INTERNATIONAL COOPERATION HOUSE PROJECT

- **Budget accommodation** for delegates from developing countries

- **Office space**

- **Conference infrastructure**

www.internationalcooperationhouse.org

INTERNATIONAL COOPERATION HOUSE

OFFICES

>4'000 m^2 offices

~200 work stations close to the UN

ACCOMMODATION

100 double rooms
5 studios
Common areas

MEETING INFRASTRUCTURE

1 conference room
150 pers

2 meeting rooms

Exhibition area
~150 m^2

RESTAURANT & PUBLIC AREA

~200 places

2 complementary objectives

→ **Green building**

promote innovative clean technologies & showcase for dissemination

→ **Smart environment**

exploring new forms of interactions between building, users and information

Exploring the potential of ICT for green

Mandat International - 2010

How to turn a building into a smarter and more interactive environment?

Lack of interoperability

Deployment cost

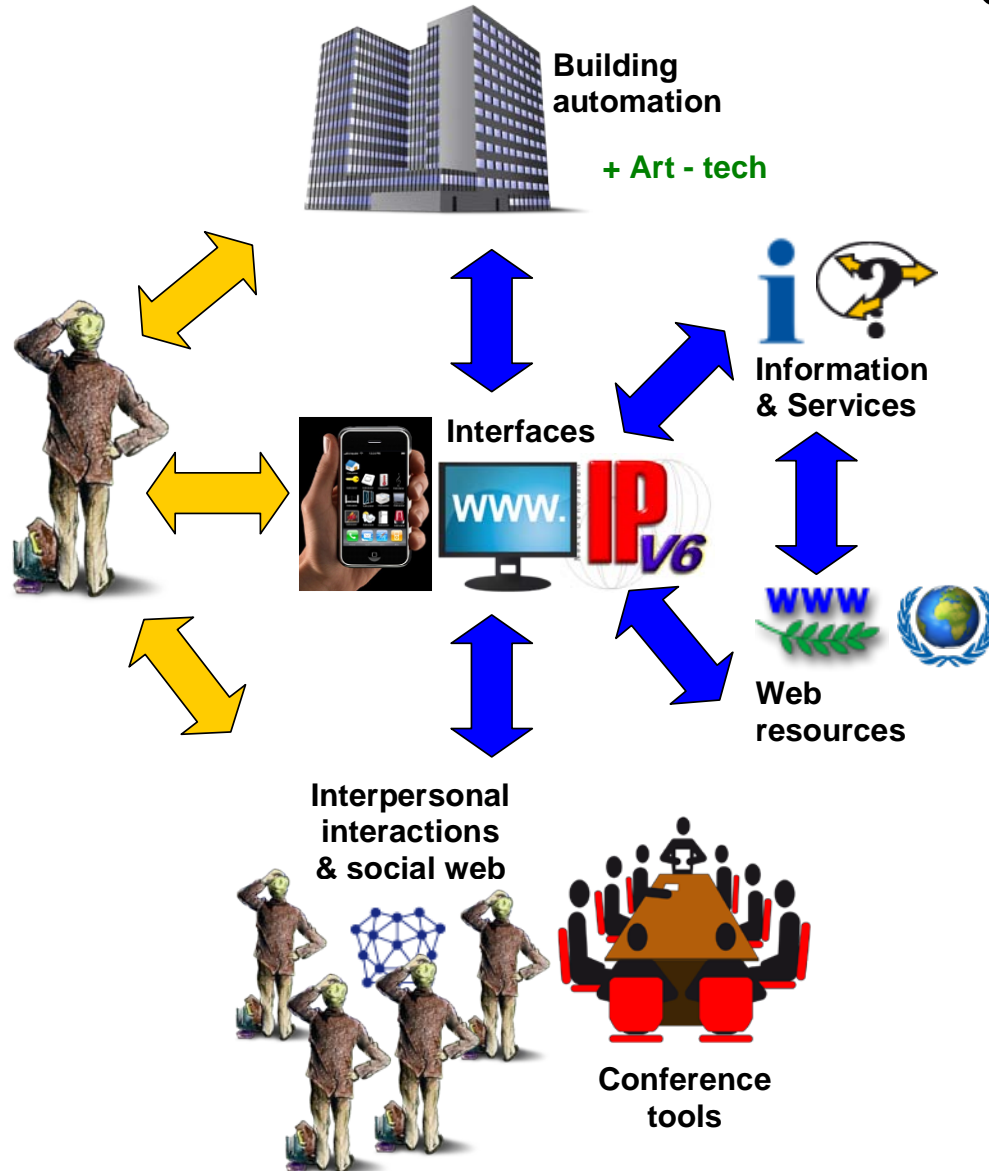**Fragmentation**

Complexity

Scalability

Security

etc.

Mandat International ©

We need a global and powerful integrator!

such as IPv6

Mandat International ©

Smart IPv6 Building

Building automation

+ Art - tech

Interfaces

Information & Services

Web resources

Interpersonal interactions & social web

Conference tools

Hollistic management

Energy efficiency
Access control
Safety
Information
Human interaction
etc.

Building automation

+ Art - tech

Interfaces

Information & Services

Web resources

Interpersonal interactions & social web

Conference tools

Mandat International ©
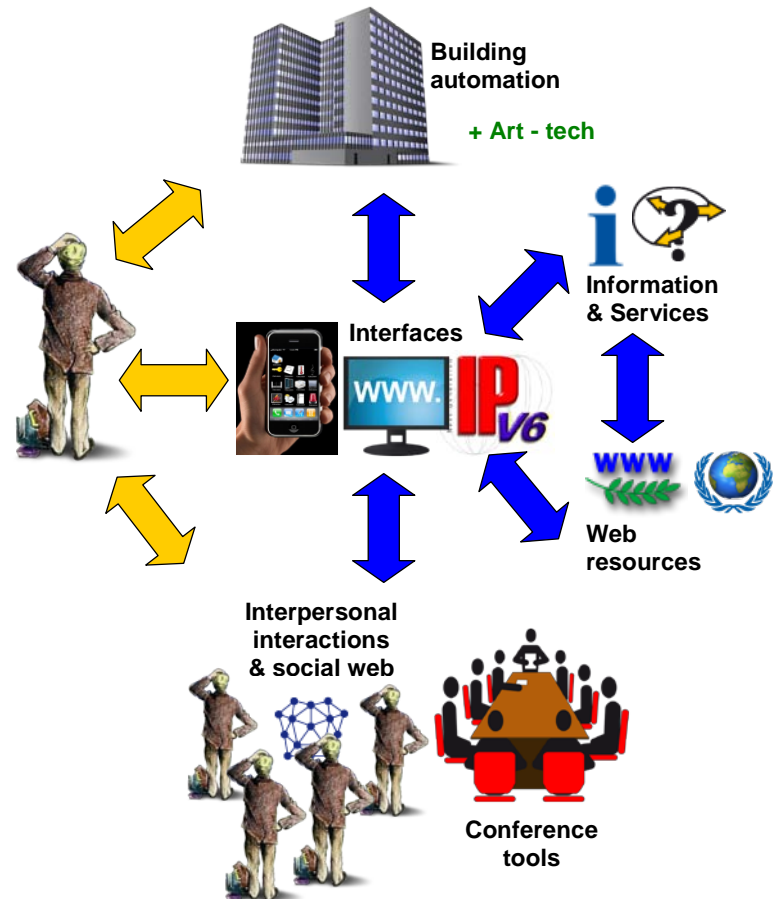
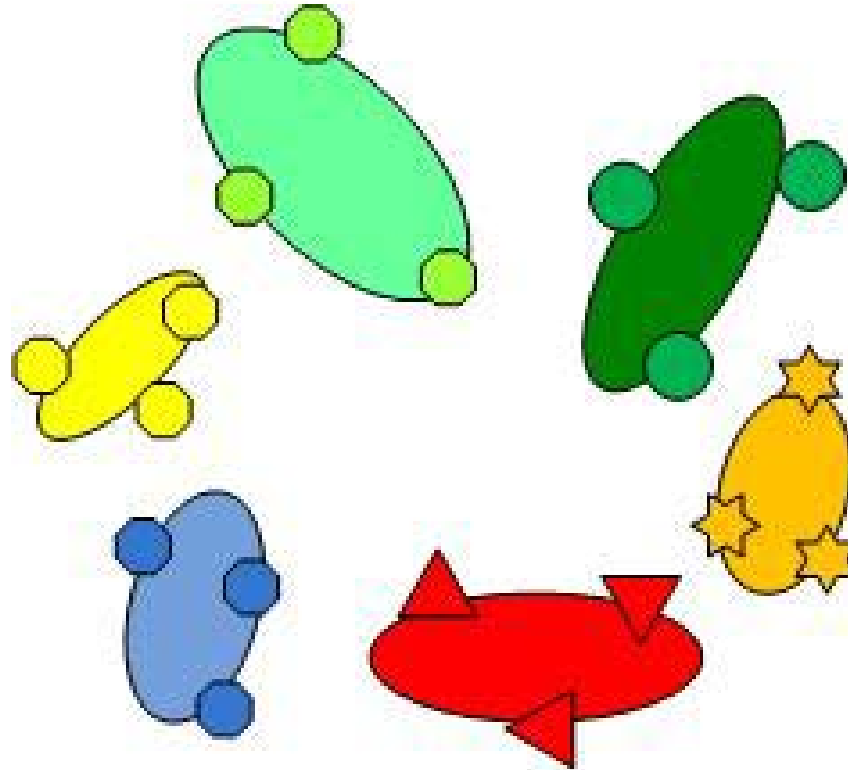# Global integration

Mandat International ©
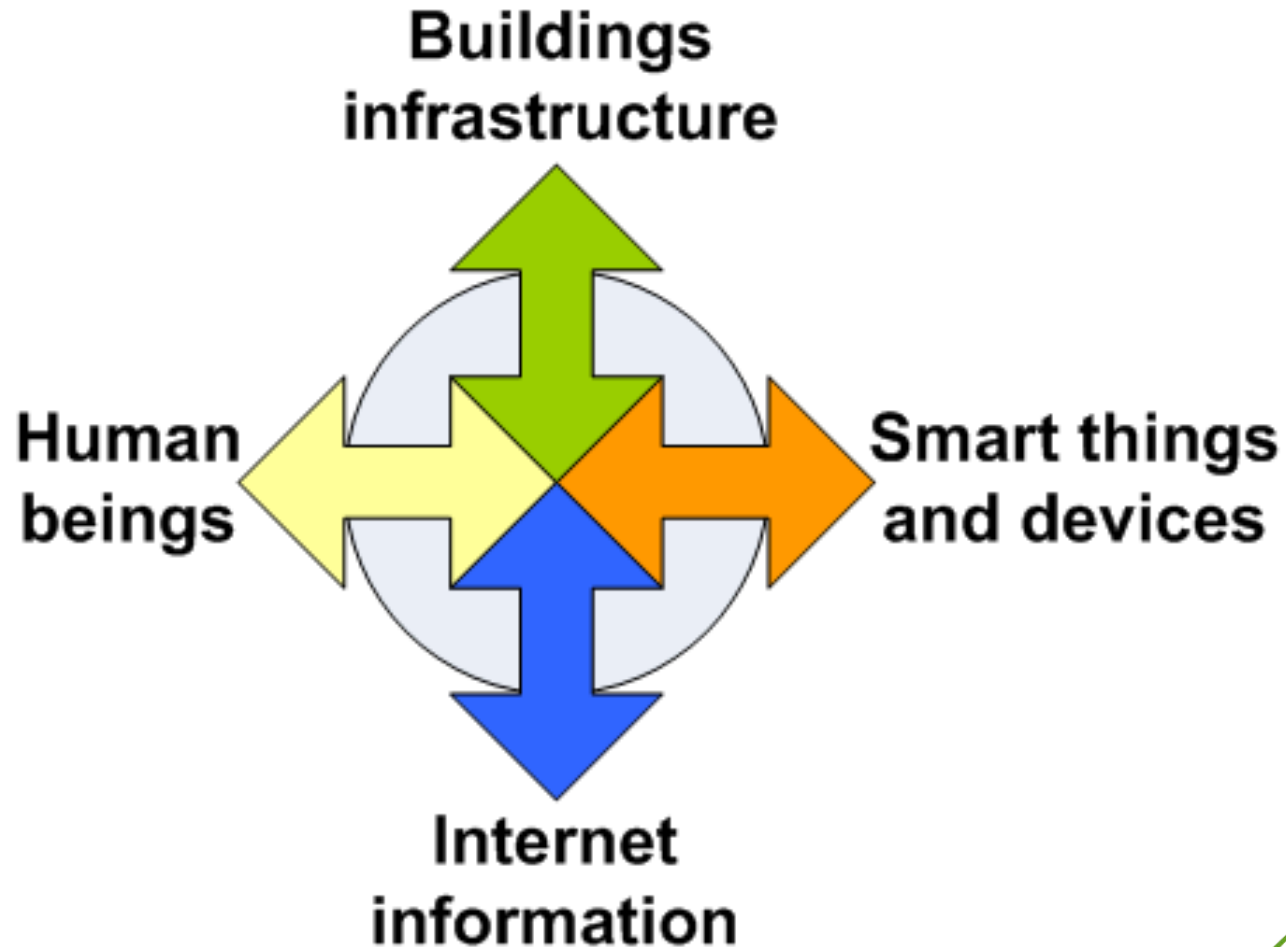
Universal Device Gateway
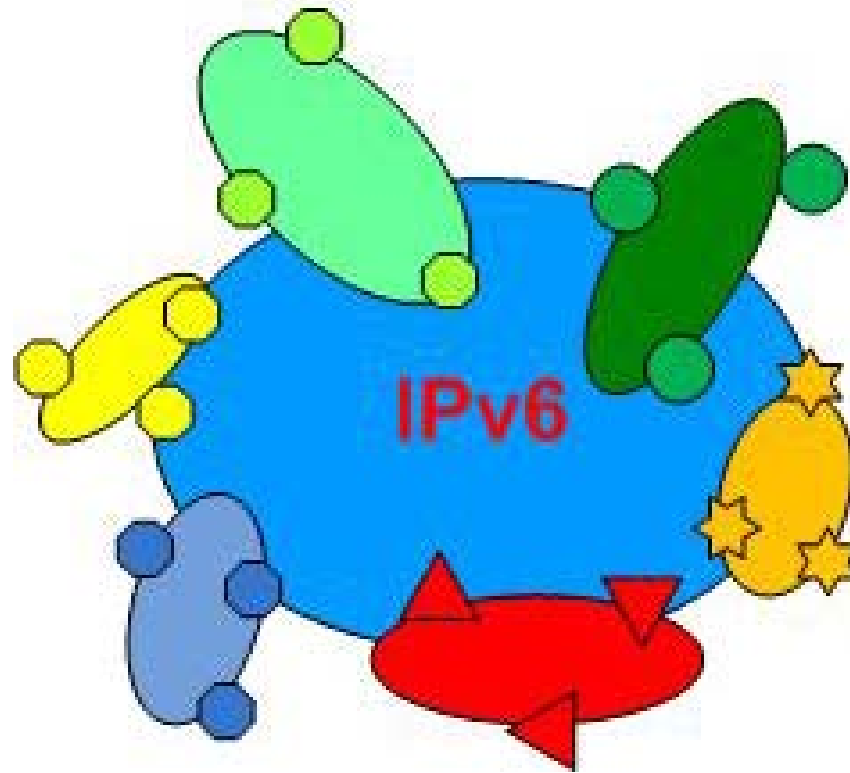
UDG

www.devicegateway.com

UDG

www.devicegateway.com

UDG

www.devicegateway.com

UDG
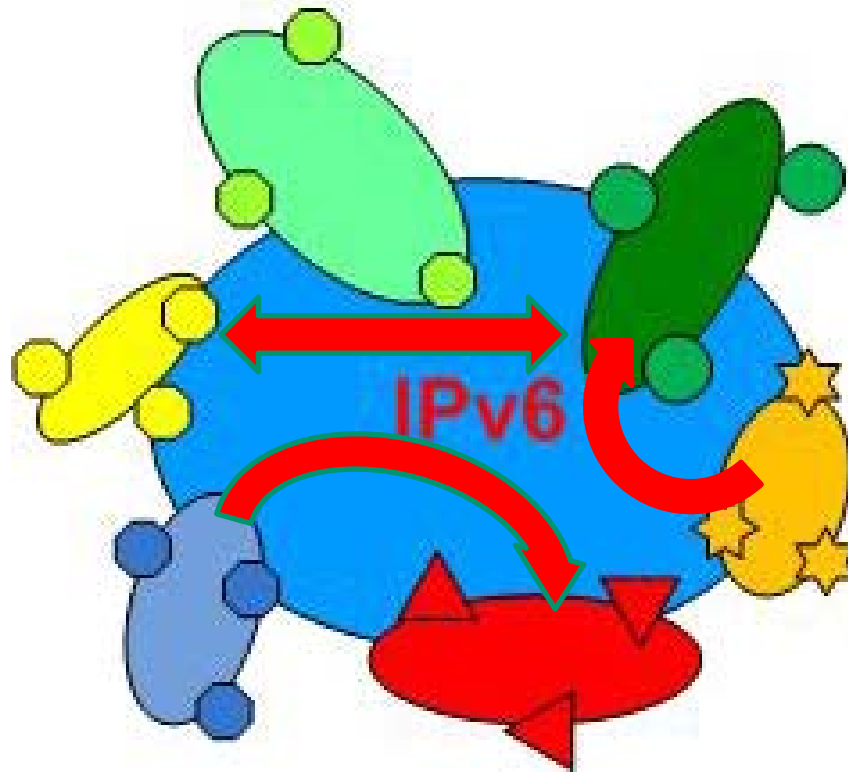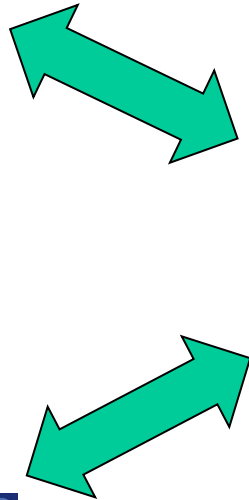
www.devicegateway.com

Hobnet

➔ IPv6 for Wireless Sensor Networks

→ IPv6 / 6LoWPAN infrastructure of buildings

→ 6LoWApp standardization

Mandat International
Patras University - Computer Technology Institute
Geneva University
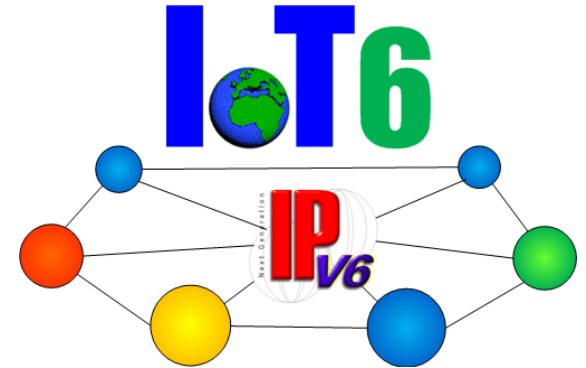University College Dublin
University of Edinburgh
Sensinode
Ericsson

www.hobnet-project.eu

IoT6

➔ IPv6 for the Internet of Things

    → IPv6 Service Oriented Architecture

    → Heterogeneous and multi systems integration

Mandat International
University College London
University of Luxemburg
University for Applied Sciences Western Switzerland
Technical University of Vienna
University of Murcia
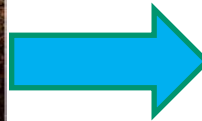KAIST
RMP
Ericsson

www.iot6.eu

TEST BED IN GENEVA

www.mandint.org

Transfer to the International Cooperation House project

Smart IPv6 Building meeting
May 31st 2010 Geneva

www.smartipv6building.org

International Cooperation Strategy

⇨ **International cooperation**
Smart IPv6 building community of interest + meetings

⇨ **Test bed & showcase**

⇨ **Training and educational tool for delegates from developing countries**
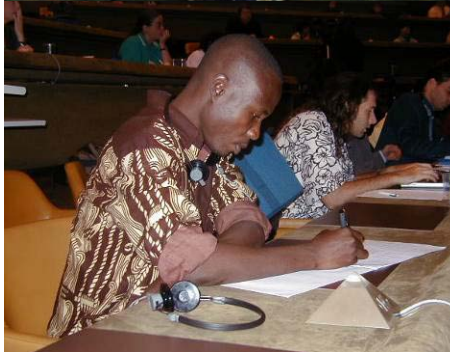
www.smartipv6building.org

Partnerships

- **Research projects**

- **Test bed deployment**

- **Devices & systems integration**

- **Showcase**

www.smartipv6building.org

THANK YOU !

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