



bmwvft
Federal Ministry
for Transport,
Innovation and Technology

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Bundesministerium
für Verkehr,
Innovation und Technologie

From buildings to communities

Invitation

**Energy Efficient Communities –
technological strategies and their
implementation**

Salzburg, 2.-3. October 2012

IEA FORSCHUNGS
KOOPERATION

BUILDING
of Tomorrow

BUILDING
of Tomorrow



International Energy Agency
Energy Conservation in
Buildings and Community
Systems Programme


smart energy
fit4set

Initiative für intelligente, urbane Regionen
powered by Klima- und Energiefonds

Isabella Zwerger
03.10.2012

International cooperation



- Austria

- Building of tomorrow
- Smart energy demo - FIT4SET
- NeueEnergien2020 / e!Missi0n+.at
- Technology platform Smart Cities Austria (TPSCA)
- ACTP

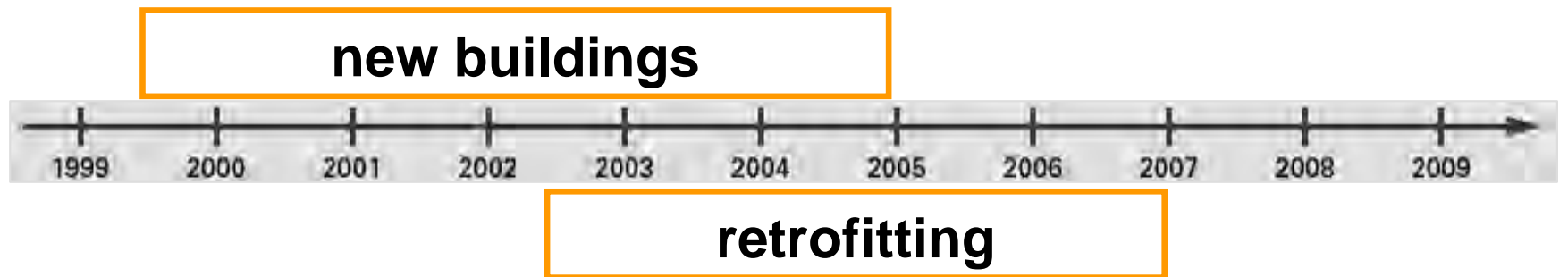
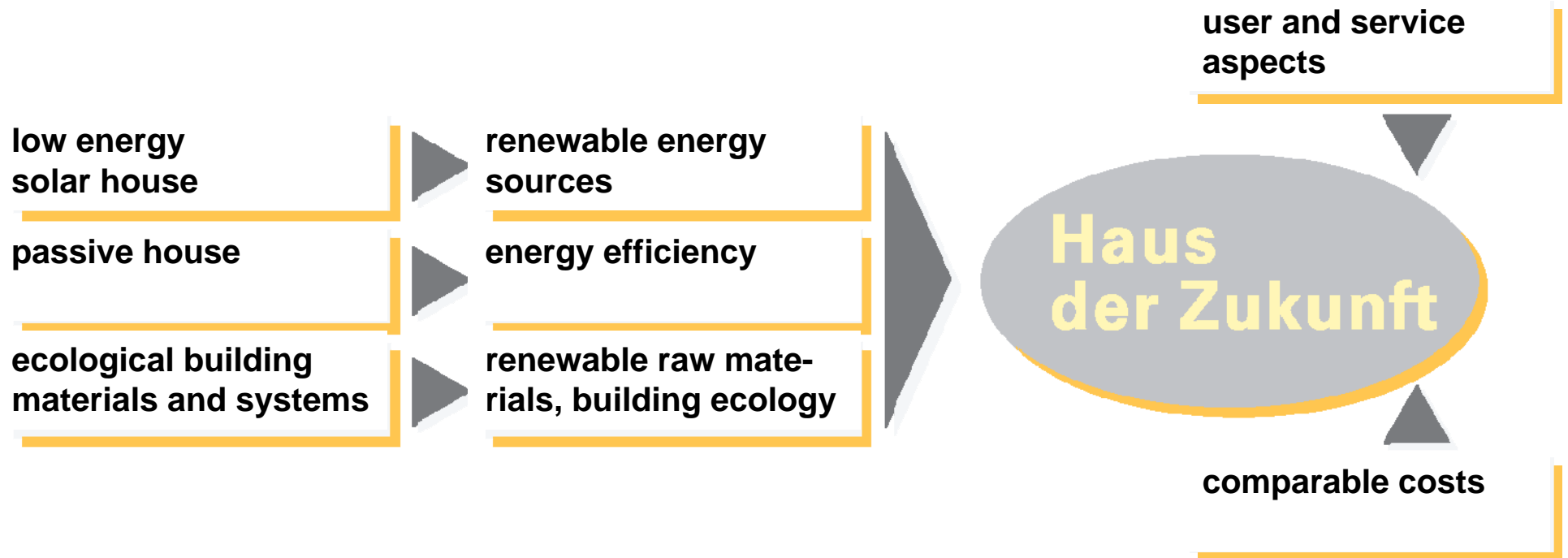


- International

- JPI Urban Europe (JPI UE)
- Smart Cities Member States Initiative (SC MSI)
- EERA Joint Programme Smart Cities
- IEA ECBCS; IEA SHC
- ERA-Nets (Eracobuild,...)
- ECTP



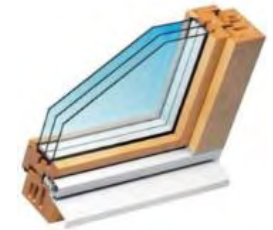
Building of Tomorrow - Aims



Building of Tomorrow - Results

1999 – 2007:

- More than 250 research projects:
 - Basic research on socio-economic issues
 - Applied research, technology and components
 - > 25 demonstration projects
- 25 Mio EUR project funding
- Austria has the highest density of passive houses



The next steps:

PLUS strengthening technological leadership

PLUS buildings as generators of energy

PLUS from the building to the settlement

PLUS from single to series manufacturing

PLUS visible demonstration projects

PLUS intensified international networking

PLUS know-how transfer and education

Budget: 35 Mio Euro (2008 – 2012)

LifeCycleTower

Hybrid Wooden House < 20 floors

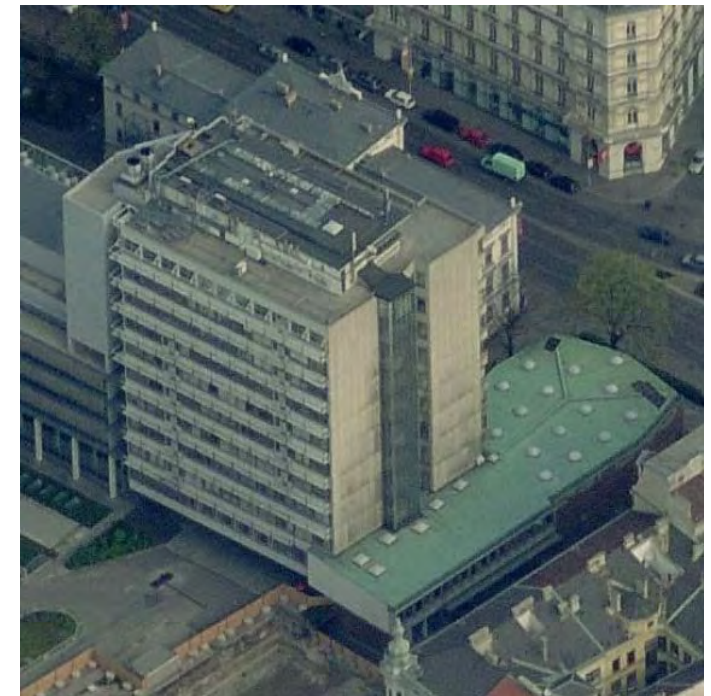


Project Manager:
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Plus Energy Office

Refurbishment to plus energy standard of the Technical University Vienna

- Biggest facade integrated PV facility in Austria

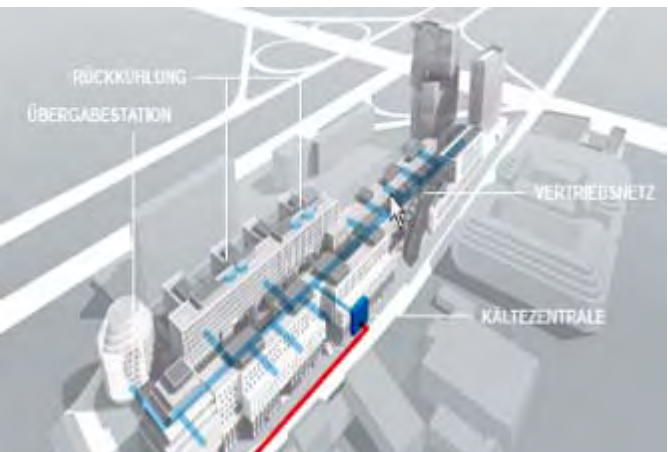


Project Manager:
Helmut Schöberl
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From buildings to communities



- Buildings / Solar orientation and energy efficiency
- Traffic reduction / E-mobility
- Smart grids / district heating and cooling
- New spatial concepts and communities



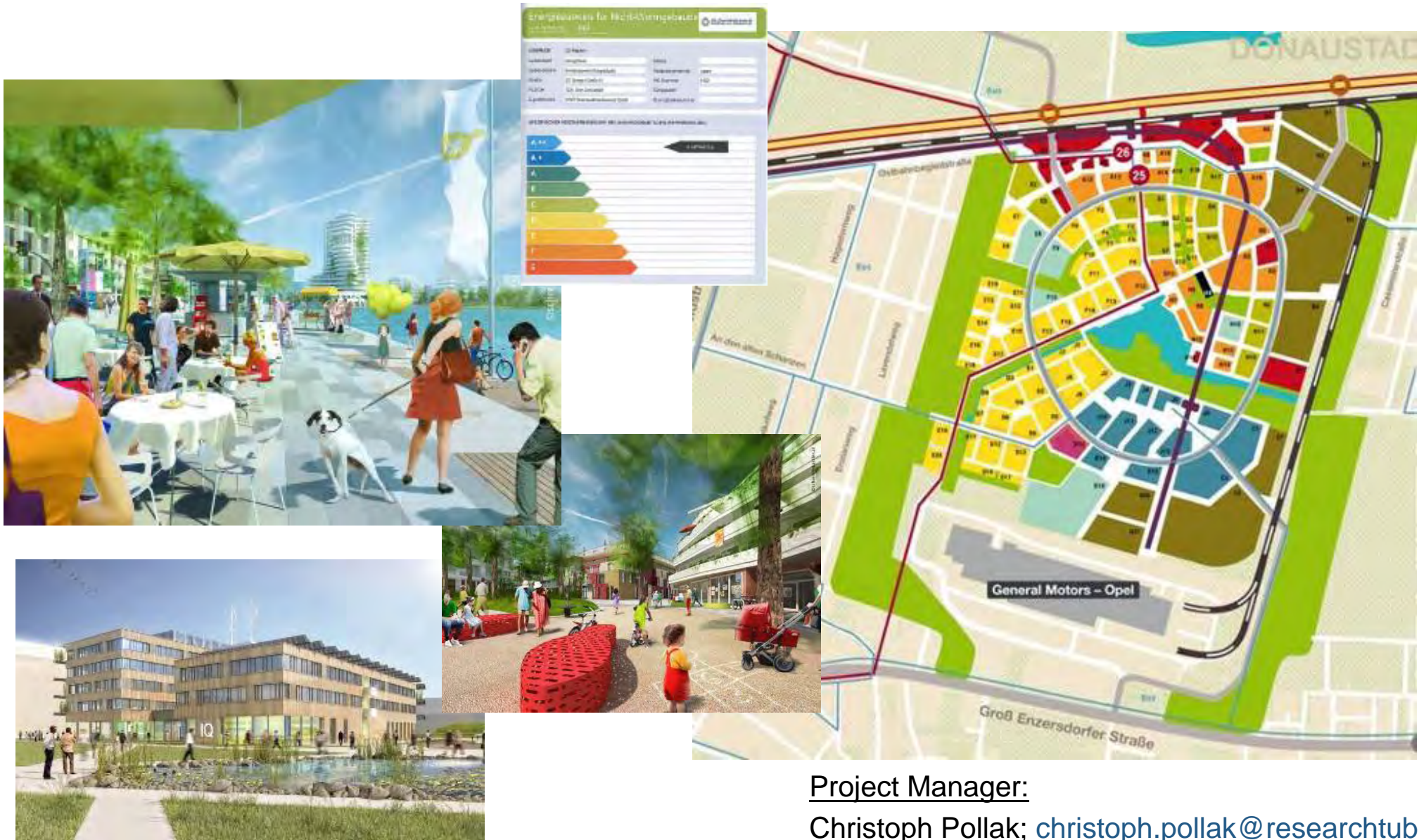
HIT – Buildings as interactive partner in a smart grid

- Optimised building management
- Demonstration project „Rosa-Zukunft“



Source:
Salzburg AG

aspern+ „The Seestadt“ of Vienna



Project Manager:
Christoph Pollak; christoph.pollak@researchtub.at

ECR Graz



- ENERGY CITY Graz Reininghaus
- Energy concept for the district – RPE_ECR (‘Rahmenplan Energie Energy City Graz-Reininghaus’)
- +ERS – Plus Energy Network ‘Reininghaus Süd’



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Urban Restructuring Lehen (Salzburg)



Project Manager:

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Websites



www.HAUSderZUKUNFT.at

www.smartcities.at

www.klimafonds.gv.at

www.tp-smartcities.at

www.jpi-urbaneurope.eu

www.eera-set.eu

www.ecbcs.org

www.eu-smartcities.eu

Thank you very much for your attention!

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