



Climate -fit.city

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CLIMATE-FIT.CITY

An overview

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Kick-off meeting, Antwerp, 14-16 June 2017

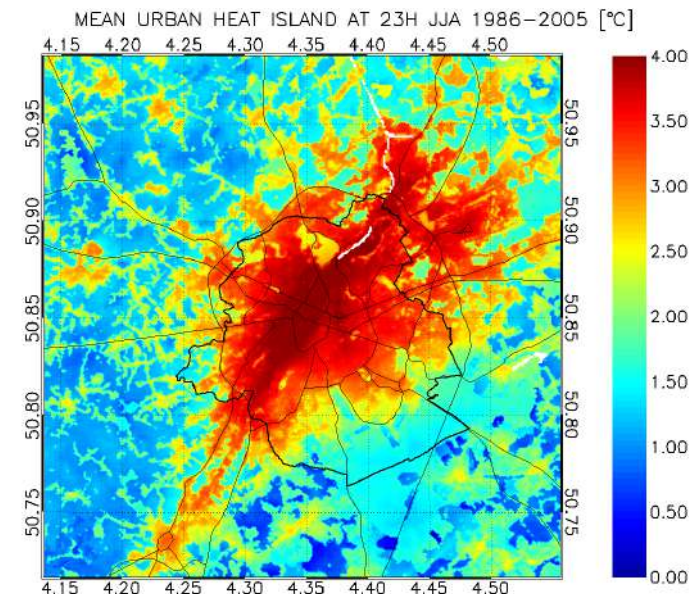
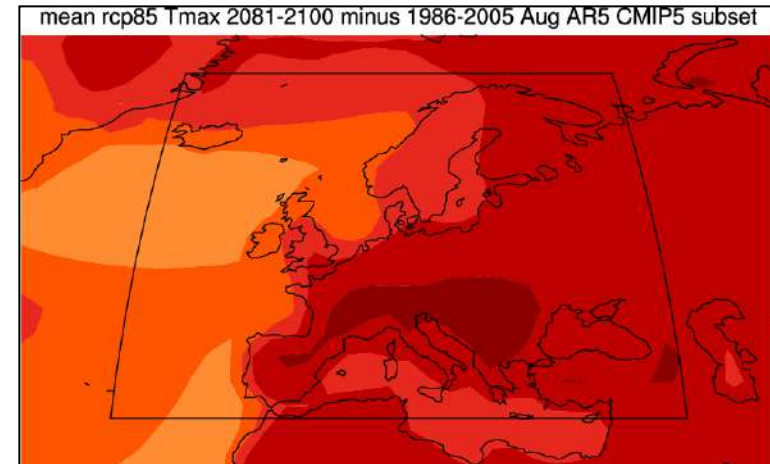


FUSO has received funding
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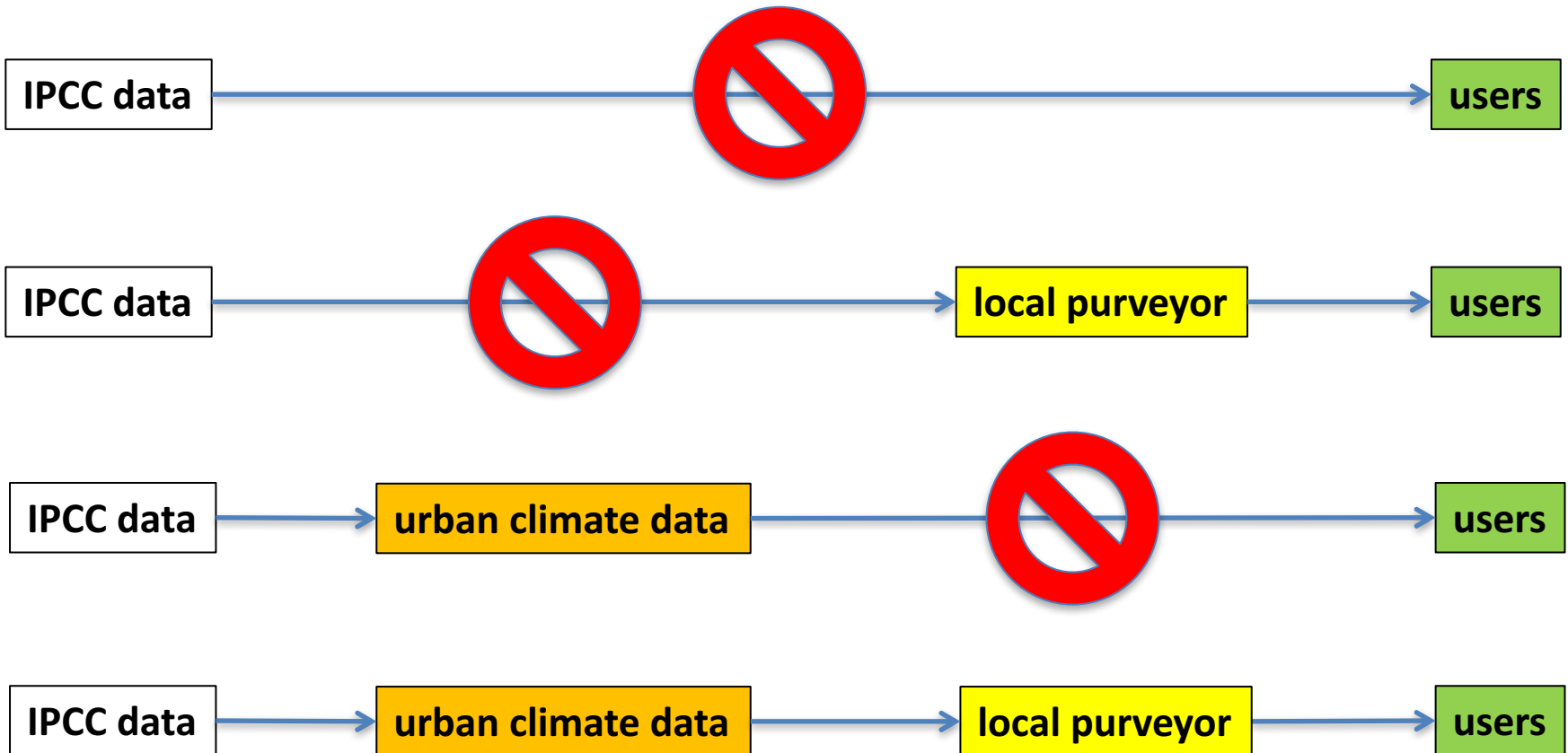
IPCC CLIMATE PROJECTIONS ARE TOO COARSE FOR URBAN APPLICATIONS

"Users oriented towards regional- to local-scale applications, which are of priority societal importance, have data and information needs that cannot be met by the available Regional and Global Climate Model output, thus leaving a gap in connecting these communities to IPCC data and scenario information." (IPCC, 2016)

- IPCC climate data is too coarse for direct use on cities
- Also, cities affect their own climate:
 - urban heat island phenomenon creates stronger heat waves
 - urban impermeable surfaces causes a higher risk of flooding



USERS – PURVEYORS – DATA PROVIDERS: THE PUZZLE



CLIMATE-FIT.CITY OBJECTIVES

“The goal of is to demonstrate, replicate, and further upscale a modular and sustainable pan-European urban climate service to quantify the impacts of climate (change) on a range of urban sectors and to propose relevant solutions to customers.”

Consortium:

- **users:** ASPB, INES, IURS, SSCOLOSSEO, ANTWERP, BIKECITIZEN
- **purveyors:** ISGLOBAL, METEOTEST, GISAT, VITO, KULEUVEN, JOANNEUM
- **urban climate data providers:** KULEUVEN, VITO
- **cross-cutting activities:** ARCTIK, T6, VITO



SC5-01-2016-2017: EXPLOITING THE ADDED VALUE OF CLIMATE SERVICES – A) DEMONSTRATION OF CLIMATE SERVICES (2016 – INNOVATION ACTION – IA).

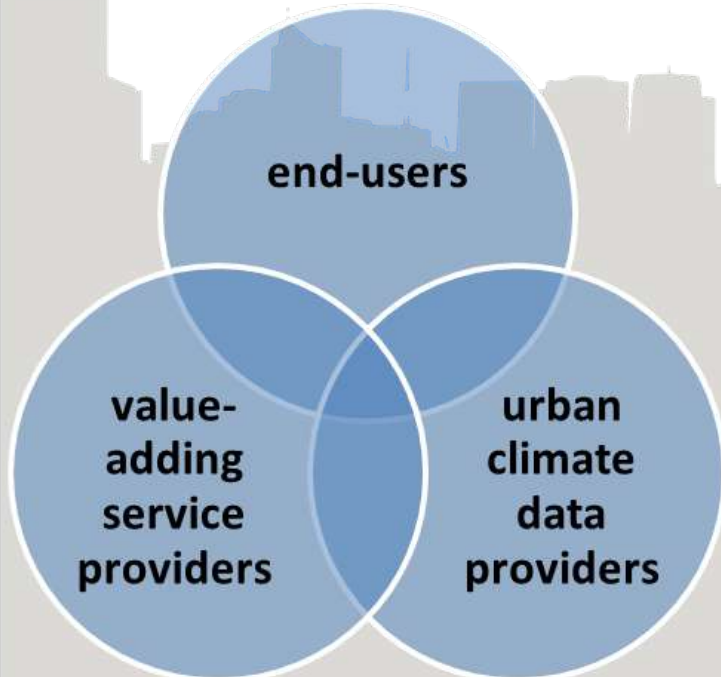
“This action will support the user-driven demonstration of climate services in sectors or business networks in which their deployment can already take place at the current state of knowledge, or with limited incremental efforts.”

Innovation Action: primarily consisting of activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication. Projects may include limited research and development activities.



METHODOLOGY

Sectoral demonstration cases
(health, cultural heritage, energy, urban planning, emergency planning, mobility)



Upscaling & market replication

- Thematic workshops
- Training sessions
- First market replication

Urban climate data platform

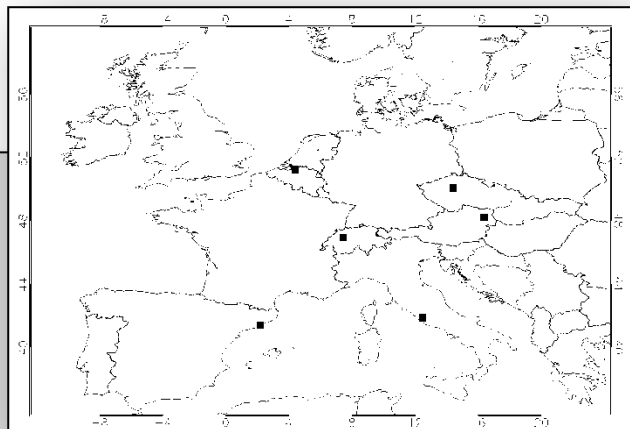
Socio-economic impact assessment

Dissemination and marketing

Business development



SIX SECTORAL DEMONSTRATION CASES



Urban climate services

IPCC
climate
data

urban climate
data platform:
- heat stress
- intense
precipitation

climate and health

building energy

active mobility

cultural heritage

emergency planning

urban development

ancillary data
(socio-econ., ...)



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