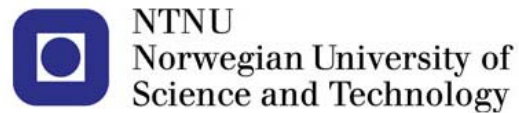




# MSI Smart Cities : Catalyst For Political Support

(Experiences from EERA JP / Norwegian Cities of the Future / SmartCity Initiatives)



Annemie Wyckmans

Associate Professor, NTNU Smart Cities Coordinator

MSI Smart Cities Workshop: Process Towards A Common Roadmap. Stockholm. 130322



No long-term, large-scale investments  
without political support



MSI Smart Cities as Catalyst



# Monitoring and Showing Progress

---

- Which KPIs to use in order to show improved performance in short and long term?
- Sustaining consistent monitoring practices over long term periods, for buildings, neighbourhoods, entire city?
- Benchmarks and exchange of best practices with other cities?
- Performance-based contracts / funding
- Fast-track for project applications that adhere to the KPIs (by developers, city authorities etc)

# Multi-Level Governance (EU – National – City)

---

- Institutional support systems needed for mainstreaming «experimental» approaches (adaptive management, decision pipelines, budgetary cycles..)
- Planning regulations and city level strategic planning (e.g., fragmentation of site and infrastructure ownership)
- National – regional alignment of measurement methods, statistics, security, privacy etc

# Cities + Science + Industry + Citizens

---

- Development of practical and understandable ICT tools for strategic urban leadership (*could your municipality use it?*)
- Models for science-policy interface + public-private partnership (learning from others' trial-and-error)
- Engagement of end & professional users (2-way) (actor-network relationships, focus groups, public hearings...)
- Institutional capacity & integration

Urban & Regional Planners; Network Planners; Architects; Process Engineers; Power Engineers; Site Engineers; Installers; Technicians; Land Use Planners; Simulation Engineers; Structural Engineers; Supply Design Engineers; Landscape Planners; Automation Engineers; Facility Managers; HVAC Planners; Energy Strategy Developers; Component Designers; Automation Engineers; Energy Managers; Maintenance Engineers; Building Physicists; Stakeholder Process Managers; Environmental Engineers; ICT Engineers; Electro Planners; Consultants; Ecologists; Material Scientists; Waste & Water Engineers; Welders; Geotechnical Engineers; Forecasting Experts; Acoustic Engineers; Logistics Planners; Control Engineers; Fire Protection Engineers; System Analysts; Mobility Engineers; Optimisation Experts; Façade Engineers; Technology Developers; Policy Advisors; Production Engineers; Real Estate Managers; Master Builders; Economists; Interior Designers; Climate Scientists; Light Planners; Inspectors; Transition Experts...and INTEGRATORS

# Recognisable & Inclusive Identity

---

Facilitate integrated assessment and management of energy efficiency in buildings, infrastructure, urban planning and energy supply

But also link energy-efficiency to:

- Smart City – Industry interaction
- Smart Mobility
- Smart Health
- Smart Workplaces
- Smart Travel
- ...

# Smart Cities – A New Norwegian Approach?

Advanced Energy Monitoring

City – Industry Interaction

Renewable Energy





# Smart Cities – A New Norwegian Approach?

Architectural & Cultural Values

Quality of Life

Resilience



# MSI Smart Cities is the best support strategy ...



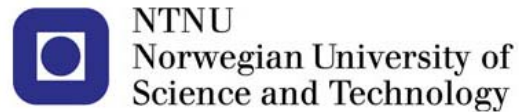
... to gain political support  
for long-term, large-scale investments





# MSI Smart Cities : Catalyst For Political Support

(Experiences from EERA JP / Norwegian Cities of the Future / SmartCity Initiatives)



Annemie Wyckmans

Associate Professor, NTNU Smart Cities Coordinator

MSI Smart Cities Workshop: Process Towards A Common Roadmap. Stockholm. 130322

