

Urban Sustainability

The new ISO management standard for sustainable cities and communities

COP23 Urban Sustainability Management Seminar

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Cities

54% of people (50% more by 2045)

80% of global GDP

70% of energy and greenhouse gas

Much pollution and urban sprawl

Need transformation - fundamental changes in land-use, energy and transport

FIDIC initiatives for a global approach to cities based on the ISO 37101 community/urban sustainability management system standard

Common global objectives

- Quality, integrity, sustainability, and resilience
- Recognition of urban and community specificities
- Support:
 - Paris Agreement
 - New Urban Agenda
 - 2030 Agenda for Sustainable Development
 - Sustainable Development Goals

Why ISO 37101?

There is a global challenge

Local context differs (conditions, stakeholders, priorities, expectations, ...)

Need strategy and action at the local, community level:

- improve the contribution to sustainable development
- foster sustainability and resilience
- share best practice

A management system standard

Dedicated to communities (large and small), including cities

Interested parties' involvement

Based on continual improvement

Incorporates risk-based thinking

Compatible with ISO 31000 (risk), ISO 9001 (quality), ISO 14001 (environment),



Process-based

Commitment

Territorial scope

Organisation review

Mandate organisation

Identify and organise stakeholders and resources

Baseline review / context

Priorities

Strategy

Action plan + targets and indicators

Performance evaluation



Continual
improvement

Purpose – Action area matrix

Action area	Governance	Education	Innovation	Health	Culture	Cohesion	Economy	Ambience	Security	Services	Mobility	Ecosystems
Purpose												
Attractiveness												
Environment												
Resilience												
Resource use												
Cohesion												
Well-being												

A fundamental change:
community and projects to act in
12 areas to achieve
contributions to 6 purposes

Top down

Community organisation establishes:

- strategies, priorities, objectives, and targets for each purpose
- expected contribution of action areas to each purpose
- indicators with assessment methods and benchmarks

Bottom up

Project to contribute to:

- purpose objectives
- action areas
- indicators



Many frameworks

Global goals

Standards

Assessment systems

International agreements

SDGs

Services, Smart, Resilient

building, neighbourhood, infrastructure

IAIA Social Impact Assessment

IFC Performance Standards

ILO Hours of Work Convention

IPCC Climate Change Synthesis Report

IUCN Global Register of Invasive Species

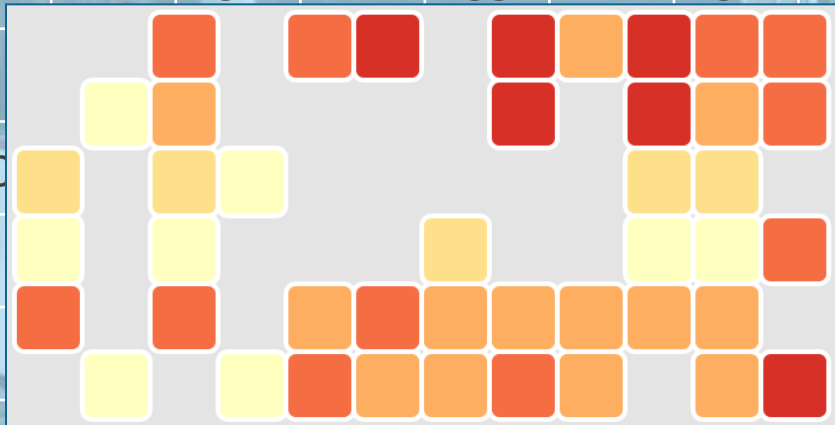
OECD Indicators for Gender Equality

Natural Capital Protocol



Baseline Review (tramway)

ACTION AREA	Governance	Education	Innovation	Health & care	Culture	Living together	Economic production	Living & working environment	Safety & security	Infrastructure & networks	Mobility	Biodiversity
Attractiveness			58		72	81		88	44	81	72	70
Environment		10	53								42	70
Resilience	33		33	10							23	
Resource use	22		22								20	58
Social cohesion	66		60								40	
Well-being		10			53	55	42	72	44		40	77



Rating = expected to best in class performance



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Performance Monitoring

- Baseline Review
- Operation



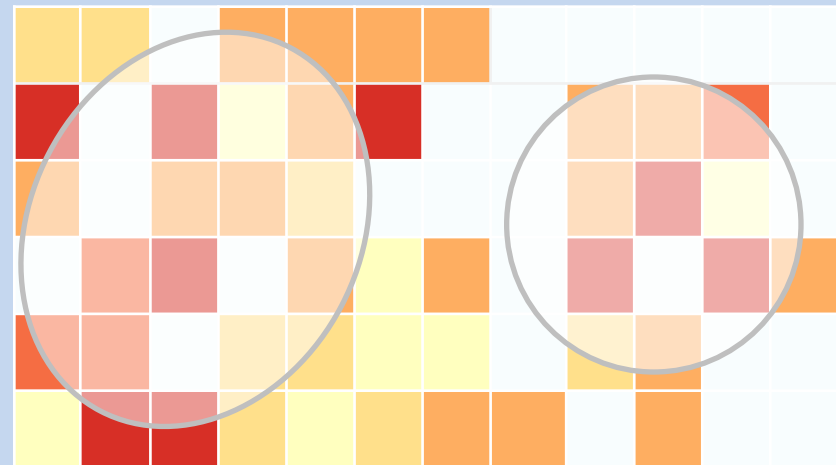
USM Platform tools (community and project)

- Strategy (community & project)
- Baseline review
- Materiality
- Capacity projection
- Stakeholder management
- Performance monitoring
- Reporting
- SDG indicator analysis

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USM



Services + Smart



Next steps

City pilots: Hangzhou, China; business parks

- feedback for tools, training materials and guides

Project pilots: none planned

- guide envisaged

FIDIC network

- awareness raising with partners
- training programme
- USM Platform