



SDG 11: Sustainable cities and communities



Prof Duncan Shaw,
Alliance Manchester Business School, Humanitarian & Conflict Response Institute
University of Manchester, UK
Convenor TC292/WG5 Community Resilience

The growth of cities

- In 1990, 10 mega-cities (each >10 million people)
- In 2014, 28 mega-cities (total >453 million people)
- >50% of the world's population now live in urban areas, 3.6 billion people
- >65% by 2050, 6.5 billion people
- 828 million people living in slums, and rising

One city at a time

The 2 aspects of this event

- Sustainable cities to transform how we build and manage urban spaces by getting smart, more advanced by measuring, monitoring and targeting
- Disaster Risk Reduction to provide a safe place for people to live, work, visit



Global targets to improve cities

Global targets on ...

1. housing and basic services
2. transport systems
3. human settlement planning
4. culture and heritage
5. disaster reduction
6. environmental impact e.g. air quality, waste
7. green and public spaces
8. national and regional development planning (linking urban, peri-urban and rural)
9. holistic disaster risk management (SFDRR, climate change)
10. sustainable and resilient buildings utilizing local materials

So cities are ...

- Safer
- Affordable
- Accessible
- Sustainable
- Inclusive
- Participatory
- Integrated
- Safeguarded
- Adaptable

Supporting ...

- Vulnerable people
- Least developed countries
- Those in extreme poverty

By being...

- Indicator-led

Standards for cities from TC292 WG5 Community Resilience

ISO 22319 - Guidelines for planning the involvement of spontaneous volunteers

- When and how can we safely involve spontaneous volunteers in supporting community resilience to disaster?



Somerset County Council



ISO22395 - Guidelines for supporting vulnerable persons in an emergency

- What and how should support be provided for vulnerable people in emergencies?

ISO 22392 - Conducting city peer reviews for disaster risk reduction

- How can two entities can collaborate to strengthen DRR activities through a peer review?

Today's session

Sustainable Cities

1. Bernard Gindroz TC268: Sustainable Cities and Communities
2. Ramy Ahmed Fathy Smart Cities and Internet of Things
3. Ramón Ferri Valencia as a Smart City

Disaster Risk Reduction

4. Åsa Kyrk Gere TC292: Security and Resilience
5. Teuku Faisal Fathani Implementing ISO 22327: Landslide Early Warning System
6. Eliot Christian All-Hazards, All-Media Common Alerting Protocol

