

Education for Disaster Resilience and Resilience in Education: the experience of the ANDROID Doctoral School

Professor Srinath Perera

Chair in Construction Economics

Northumbria University

Faculty of Engineering & Environment

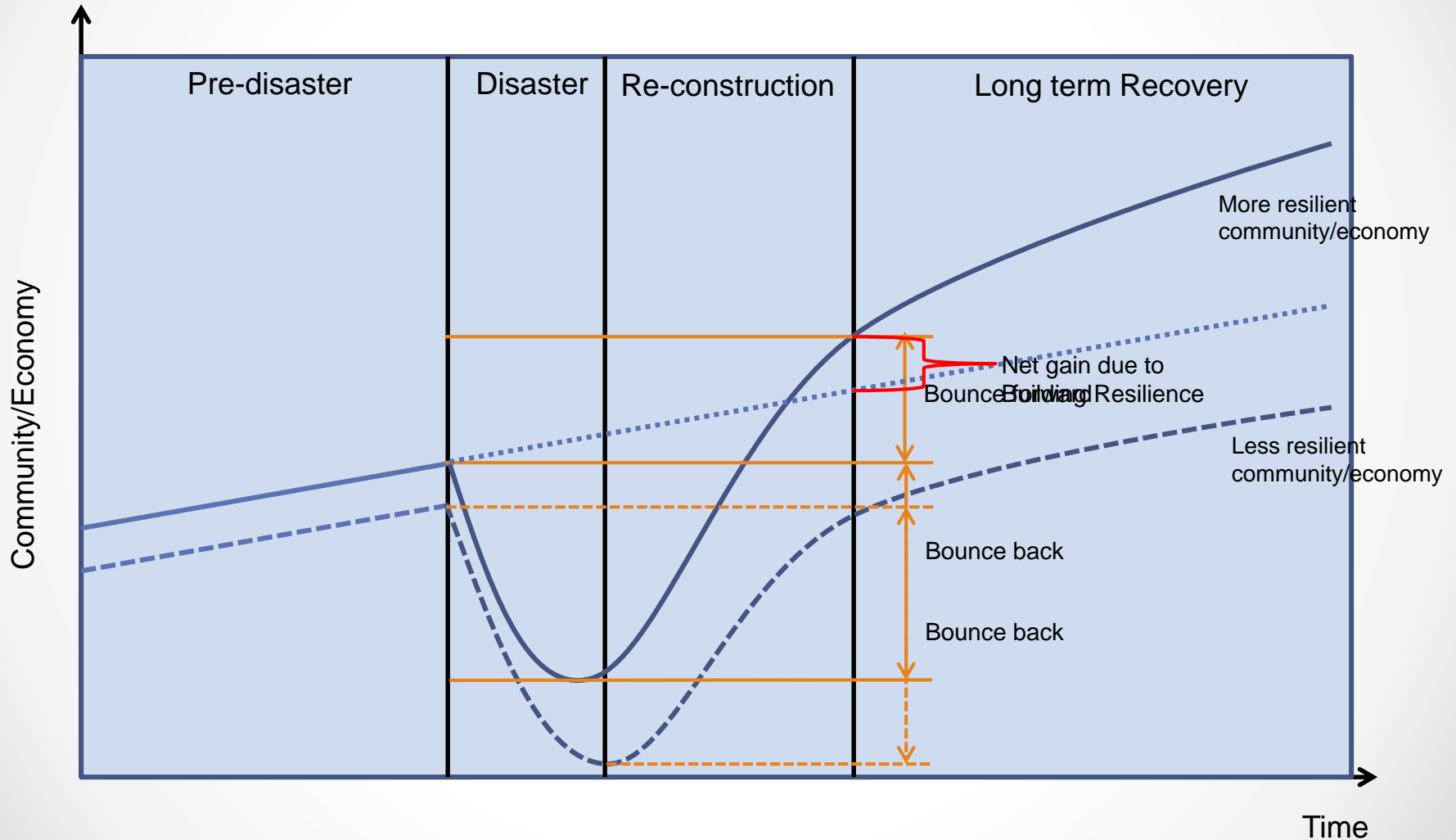
Construction Economics & Management Research Group CEMRG

www.northumbria-qs.org

Disaster Resilience

- **Resilience** is the ability to recover from change (often quick or sudden change) demonstrating toughness, maturity and capacity
- **Disaster resilience** is the ability of a system, community or society exposed to hazards to resist, absorb, accommodate and recover from the effects of a hazard in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions (UNISDR, 2009).

Resilience Characteristics



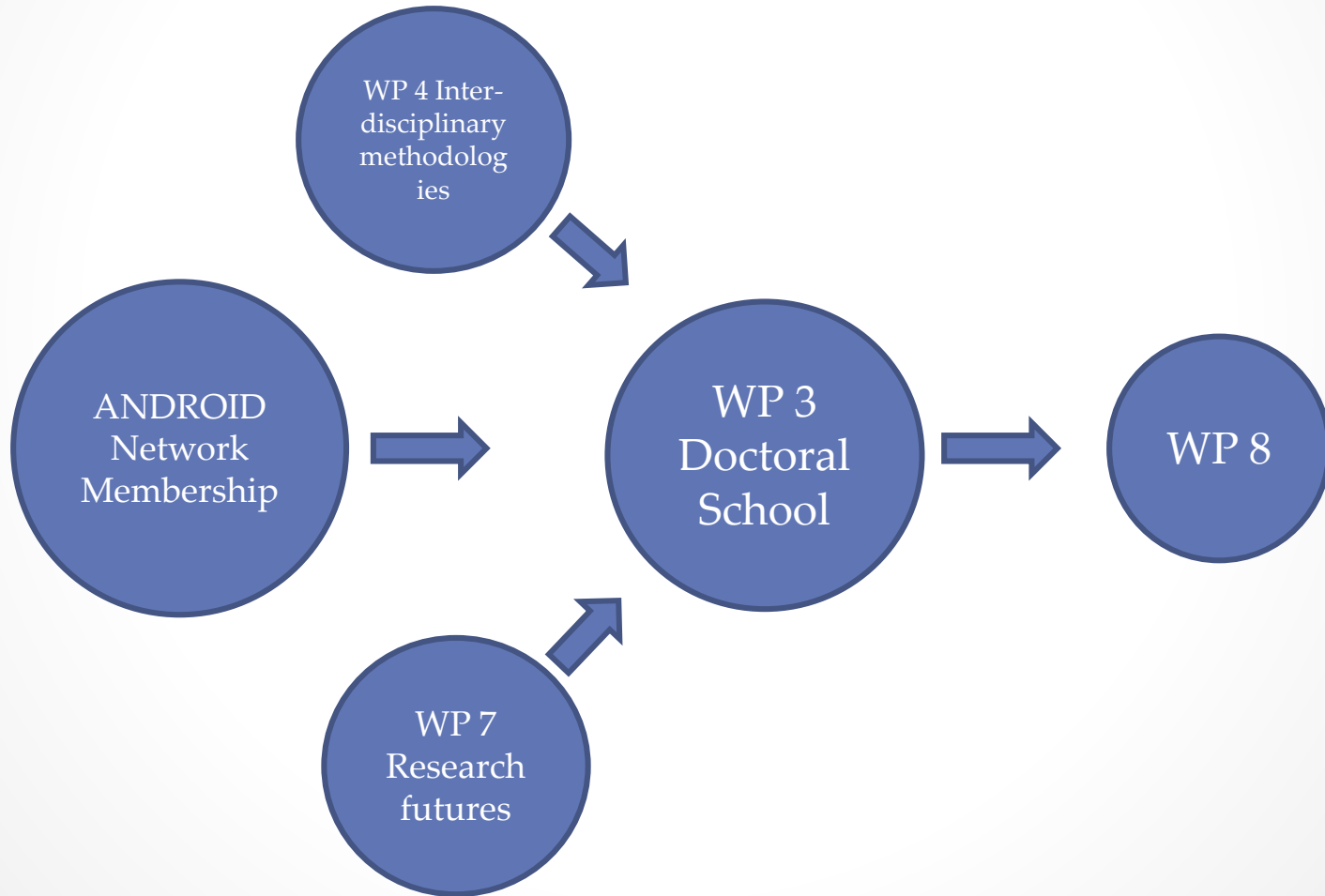
PESTLE Dimensions of Disaster Resilience Education



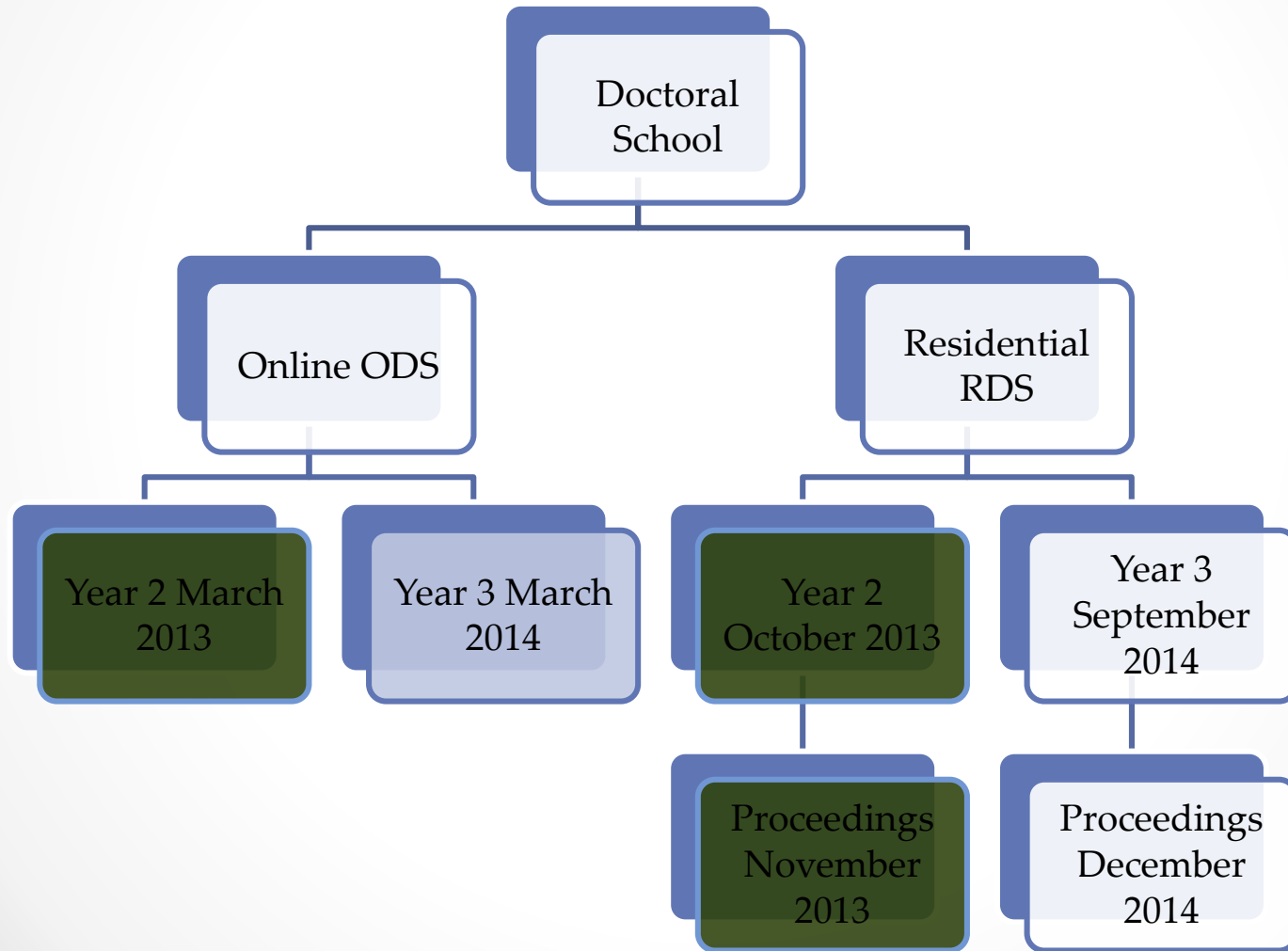
Aim

- ANDROID DS aims to develop HEI capacity for research and teaching into the development of societal resilience to disasters.
- Draw on the wide disciplinary base of the network's partners to promote inter-disciplinary working for doctoral students
- Candidates from the network and beyond
- Developing long term capacity

Relationship to other Work Packages



WP3: Doctoral School



Interdisciplinary



Agriculture & Geo-information Science

Social Science & Sociology

Civil Engineering

Arts & Architecture

Building Construction

Physics and Earth Science

Heritage Studies

Construction Management

Geography & Environment

Law, Public Health & Management

Built Environment

Political Science

Project Management

Doctoral School Participants 2013 and 2014

- A total of 27 applications
 - Worldwide 18 countries
 - Ghana, Vietnam, Mexico, India, Iran, Italy, Vietnam, Malaysia, Nigeria, Indonesia, Turkey, Ireland, China, Sri Lanka, Bangladesh, Netherlands, Indonesia, Portugal
 - 24 selected
 - Selection Criteria
 - Currently registered for doctoral studies at a recognised institution
 - Disaster related studies
 - ODS
 - 22 participants
 - RDS
 - All ODS candidates invited
 - 15 Scholarships
 - ANDROID member institutions
 - 16 Participants
- A total of 48 applications
 - Worldwide 29 countries
 - USA, Canada, Brazil, Jamaica, Mexico, Pakistan, Indonesia, Iran, Indonesia, Vietnam, UAE, Bangladesh, Australia
 - South Africa, Nigeria, Morocco, Zimbabwe, Cameroon,
 - Czech Republic, Austria, Portugal, Italy, Iceland, Ireland, Latvia, Sweden, Lithuania, Germany, UK
 - 44 selected
 - Selection Criteria
 - Currently registered for doctoral studies at a recognised institution
 - Disaster related studies
 - ODS
 - 40 participants
 - RDS
 - All ODS candidates invited
 - 25 Scholarships
 - ANDROID member institutions & worldwide
 - 31 Participants

Residential Doctoral School (RDS) 2013

Sessions

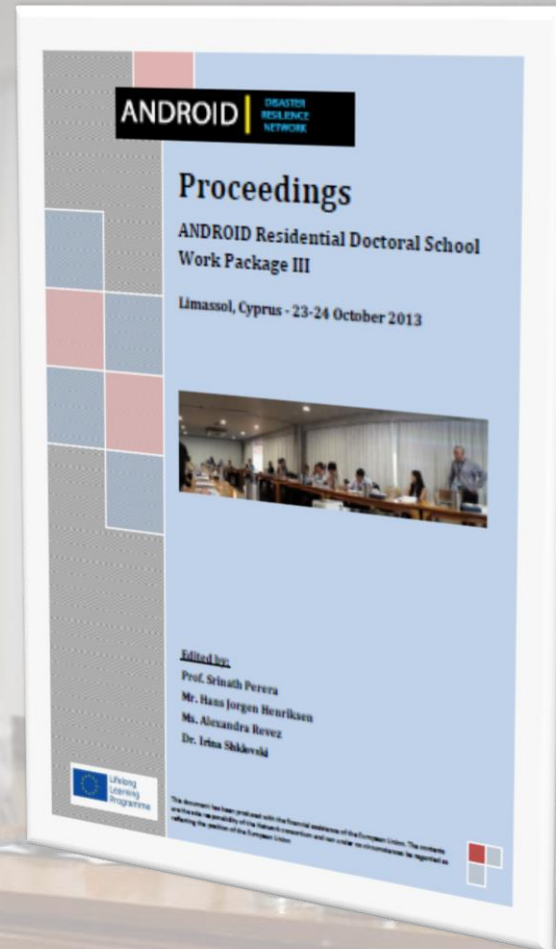
- Themed sessions (6+1)
- Papers presented by participants
- Panel Discussion & feedback
- Excursions
- Keynote presentations
- Networking opportunities
- Top paper award

Proceedings

- Book of Abstracts
- Double-blind Expert reviewed papers
- Proceedings published in 2013 & 2014
- Open Educational Resources (OERs) WP8

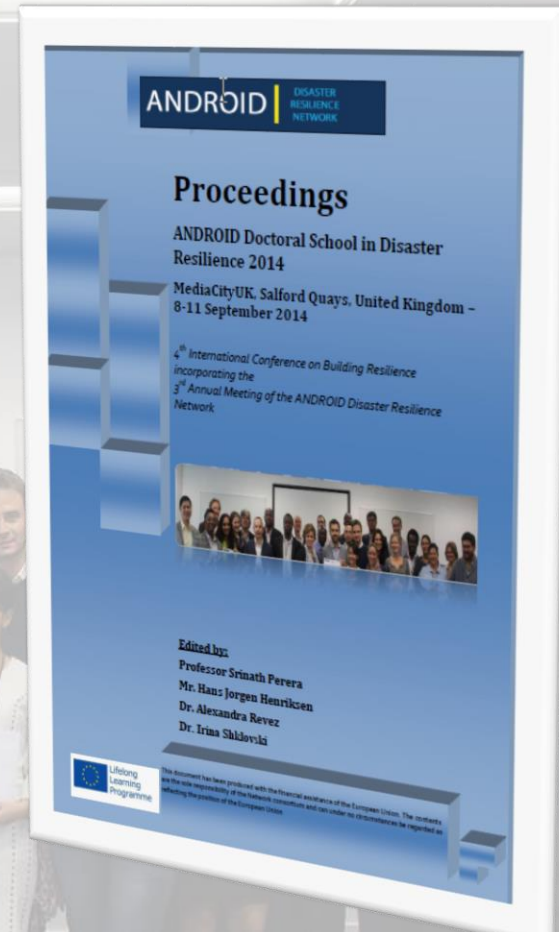
DS2013 Proceedings

- Book of Abstract for the conference
- Final proceedings
 - Published in December 2013
 - 15 Papers
 - Double blind Expert review
 - Reviewed by 16 Experts
 - Critique at RDS
- Available at
 - ANDROID web
 - Prevention web



DS2014 Proceedings

- Book of Abstract for the conference
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 - 26 Papers
 - Double blind Expert review
 - Reviewed by 34 Experts
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ANDROID Doctoral School 2015 in Newcastle, Australia, July 2015

<http://www.disaster-resilience.net/index.php/doctoral-school-2014/doctoral-school-2014-proceedings>