ESTABLISHING THE CONTEXT:

Social Impact Assessment for Disaster Recovery Planning

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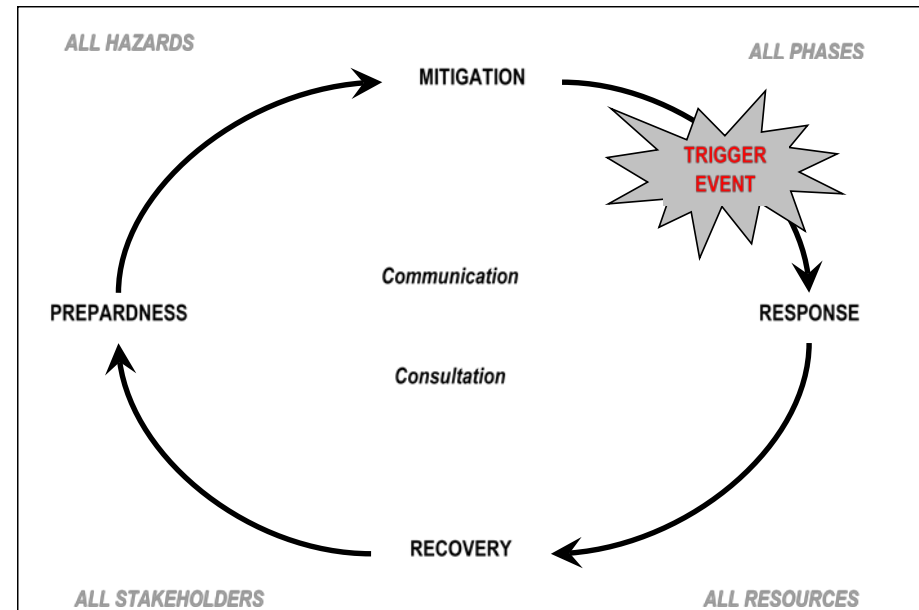JAMES COOK UNIVERSITY
AUSTRALIA

Overview

- Disaster management and recovery

- Project/research rationale

- Parallels between disaster recovery and SIA objectives

- The framework/process

- Challenges

Disaster Management

- Mitigation/Risk Reduction/Prevention
- Preparedness/Readiness
- Response
- Recovery

Ideally proactive

ALL HAZARDS · ALL PHASES
MITIGATION
TRIGGER EVENT
PREPARDNESS
Communication
Consultation
RESPONSE
RECOVERY
ALL STAKEHOLDERS · ALL RESOURCES

Adapted from EMA (2003) and Standards Association of Australia (2004)

Rationale

- Effective community/local assessment "post-disaster"
- Informed decision making for sustainable redevelopment

"Build back better, stronger and safer"

Community Disaster Recovery

- Limit losses
- Reduce suffering
- Restore psycho-social and economic viability of the community
- Sustainable redevelopment
- Disaster Risk Reduction
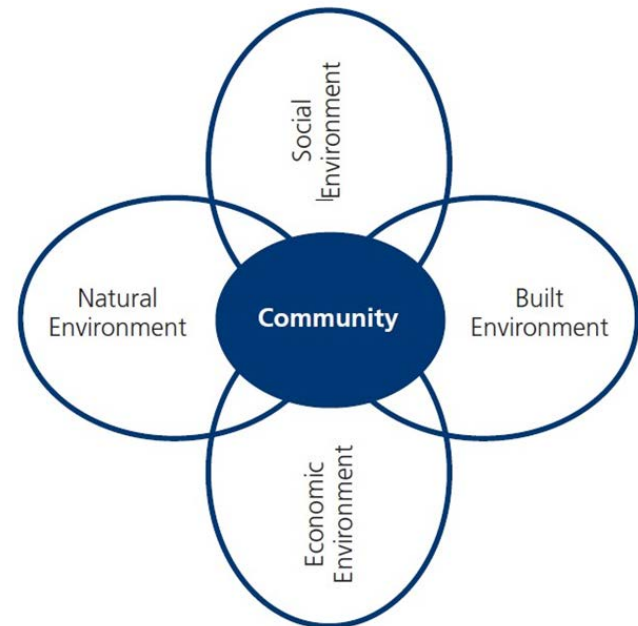
Social Impact Assessment

- The systematic analysis in advance of development or policy changes that will bring social change to a community

- Development of community resilience;

- A social justice approach;

- Anticipating consequences;

- Better informed decisions;

- Maximising opportunities; and

- Minimizing negative outcomes

SIA Process

- Identify potential change/impacts
- Measure baseline data
- Examine social implications
- Actions
- Communicate changes
- Enhance positive and mitigate negative impacts
- Monitor and evaluate

Scoping

- Identify potential impacts/change
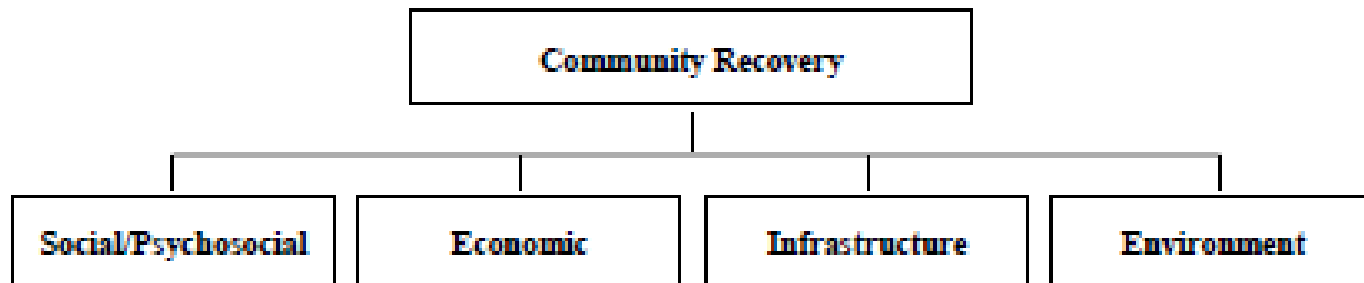- Direct/indirect,
- Tangible/intangible

Establish the Context

- Data collection (baseline variables)

- Determine event/hazard context

- Establish local community data

- Identify key stakeholders

- Identify existing resources and capacity

- Rapid appraisal – damage and loss

- Basic needs assessment/priorities

Community Variables

- Psycho-social
- Economic
- Infrastructure
- Environment

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                   ┌─────────────────────┐
                   │  Community Recovery  │
                   └─────────────────────┘
         ┌──────────────┬──────┴───────┬──────────────┐
┌──────────────────┐ ┌──────────┐ ┌──────────────┐ ┌─────────────┐
│ Social/Psychosocial│ │ Economic │ │Infrastructure│ │ Environment │
└──────────────────┘ └──────────┘ └──────────────┘ └─────────────┘
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Social/Psychosocial

- Safety and wellbeing
- Vulnerable/marginalised groups
- Health – physical and mental
- Demographic change
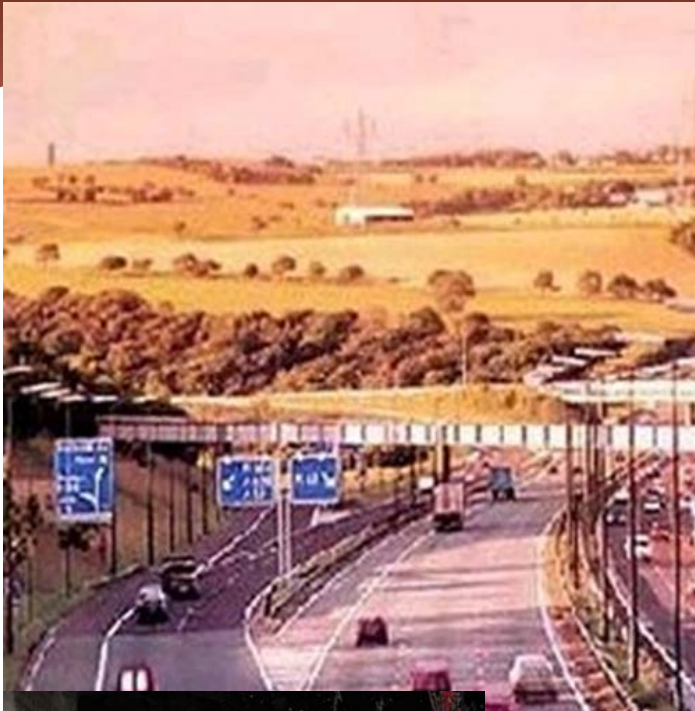- Human resources/skills
- Culture/values
- Governance/networks

Economic

- Individuals
- Employment
- Livelihoods
- Businesses
- Economic sectors
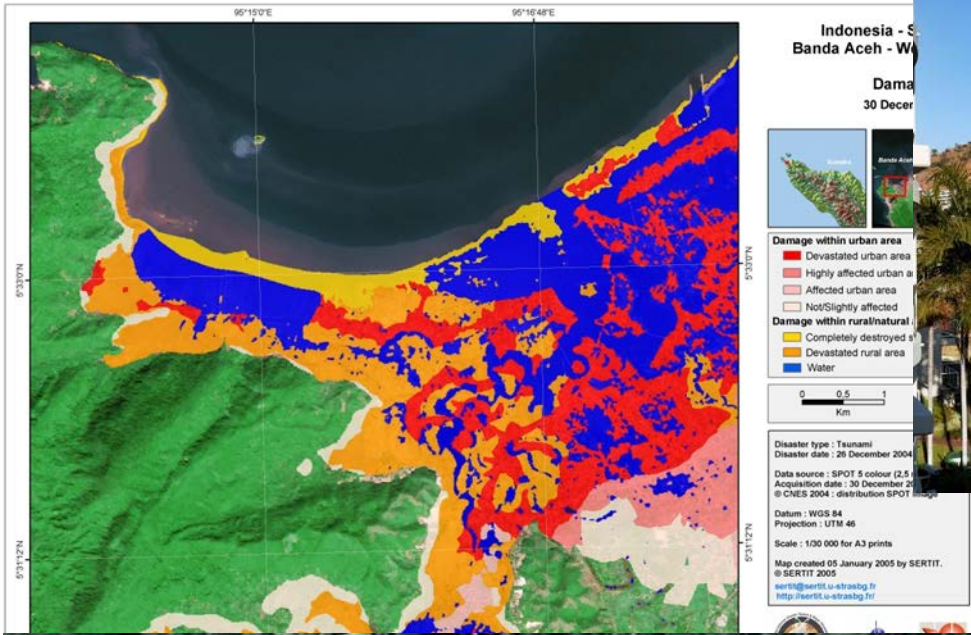- Resources – savings, investments, insurance
- Government

Built Environment

- Residential – shelter/housing
- Rural assets
- Lifeline Utilities – water, sewage, electricity
- Infrastructure
- Transport networks
- Commercial/Industrial
- Public building and assets

Natural Environment

- Biodiversity and ecosystems
- Amenities value
- Waste/pollution
- Natural resources
- Land-use
- Geo-physical change
- Debris management

Indonesia - S...
Banda Aceh - W...

Dama...
30 Dece...

Damage within urban area
- Devastated urban area
- Highly affected urban a...
- Affected urban area
- Not/Slightly affected
Damage within rural/natural...
- Completely destroyed s...
- Devastated rural area
- Water

0   0.5   1
Km

Disaster type : Tsunami
Disaster date : 26 December 2004

Data source : SPOT 5 colour (2,5...
Acquisition date : 30 December 2...
© CNES 2004 : distribution SPOT Image

Datum : WGS 84
Projection : UTM 46

Scale : 1/30 000 for A3 prints

Map created 05 January 2005 by SERTIT.
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http://sertit.u-strasbg.fr/

Immediate Actions

- Identify immediate needs for services
- Access available services and resources
- Coordinate recovery resources and services
- Support service providers
- Interventions

Communication and change

- Needs
- Priorities
- Opportunities
- Public support/participation
- Planning
- Policy
- Decision making – protect, accommodate, retreat

Capacity building

- Community/stakeholder engagement
- Integration and partnerships
- Resilience
- Adaptive capacity
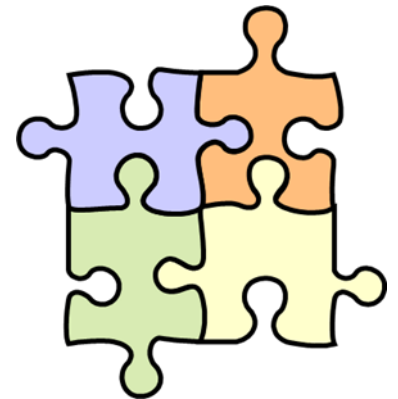- Resources
- Commitment

Sustainable Redevelopment

- Monitor

- Review

- Evaluate

- Educate and adapt

- Disaster Risk Reduction

Challenges

- Context dependant
- Credible/timely information
- Effective communication
- Flexibility/adaptable
- Ethics
- Transparency/accountability
- Uncertainty

QUESTIONS?