Sharing Innovations to Improve Implementation and Reporting of the Sendai Framework for DRR:

Academic Hubs

Urban Planning and Disaster Risk Reduction Center

An Najah National University

Palestine.

- **The concept of DRR**
- **Resilience: is fundamentally an interdisciplinary concept, its cross-cutting issue, etc.**

•The main requirements and strategies needed to make scientific institutions to work as academic hubs in DRR are:

- embedding DRR culturally;
- building civil societies capacity to respond to disaster in a targeted and DRR manner;
- becoming information-hub locally, nationally and regionally,

Adopting:
- Holistic-approach concepts and methodologies..
- Local, national and international stakeholders' integrations and networking concepts;
- Web-based platforms: Target groups individual citizens, professionals and decision-makers
- Giving priority to the **applied research** and to the **community service** programs;

- **Academic Hubs: Using S and T to build resilience (case study)**

  An-Najah University's Urban Planning and Disaster Risk Reduction Center (UPDRRC) brought players, using scientific knowledge and strategies and community services to draw together all the target groups

As an academic hub, the UPDRRC and other units at NNU has an important role in enhancing the resilience of Palestinian communities to disasters, through:

- adopting a holistic approach to DRR activities.
- adopting scientific strategies to draw together decision-makers, practitioners and the public to drive towards sustainable RR, exceeding parameters of an traditional academic centre.

As a result, this approach had a wide remit and objectives including :

- Assisting Government, practitioners with infrastructure vulnerability and local site effect conditions assessments and creating solutions;

- Drafting new Seismic Building Code regulations.

- Developing several courses and programs on DRR, including master program on DRM.

- Conducting several capacity building programs on DRR. (Tenth of TR).

- **Modeling and mapping:** Hazards, seismic vulnerability and RA.

- Developing and conducting post disaster damages assessment.

- Introducing DRR requirements on physical planning guidelines.

Building capacity within civil society and general public to cope with natural disasters by using several dissemination activities

-Developing engineering courses for non engineers and urban planning courses for not planners.

-Community service programs: **5000 students** each year: Blood donation, short courses on DRM, 50 working hours with emergency response org., working for/with vulnerable citizens (with children's, mothers, handicapped or disabled persons, etc)… meetings and workshops.

- Training courses on DRR for Journalists to create common language..
- Hundreds of Meetings, Public Lectures, Workshops, Training Courses, etc.
- Dissemination activities by using the available media: TVs, Radios, ..etc.
-Public seismic Poll: to measure the seismic awareness levels of individual citizen.

Resilience has very important role in the all DRM phases and tasks: mitigation, preparedness, emergency response and recovery and reconstruction, so it recognized as imperative for sustainable development, as well as its pivotal for the implementation of priority for actions 4 of the UNISDR science and technology (S&T) Road Map.



Hundreds of Meetings, Public Lectures, Workshops, Training Courses, etc







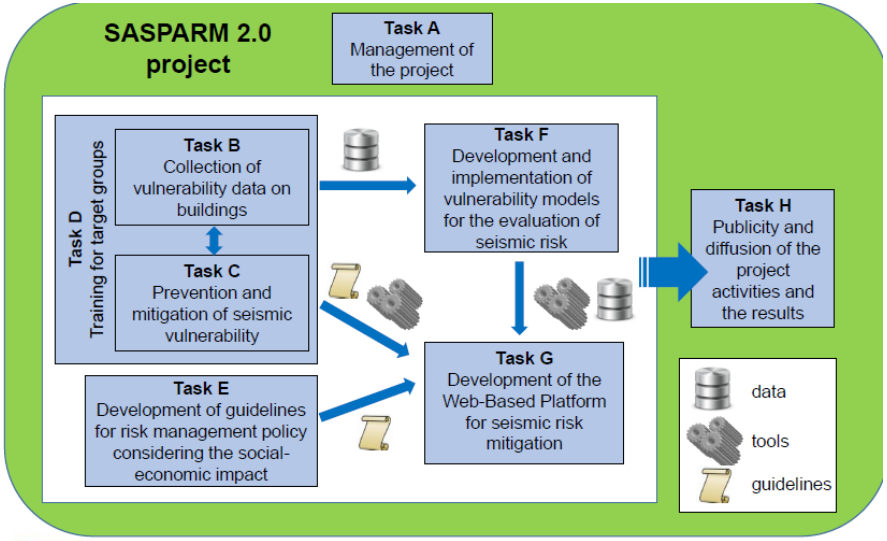





Ex: example for regional and inter. networking and integration: Partnership with NRA, RSS, GII, GFZ, EUCENTRE, IUSS, USGS, etc.

Support Action for Strengthening PAlestine capabilities for seismic Risk Mitigation

SASPARM 2.0



A Web platform will be realized:

Web GIS platform

- Collection of structural data
- Vulnerability and the seismic risk assessment.

- Mitigation measure as a function of the identified vulnerabilities will be suggested through the platform.

- The platform was equipped with GIS functionalities (WEBGIS)

- The stakeholders will have the possibility to identify critical conditions, since the results of seismic risk will be published in maps with a very high resolution graphical support.

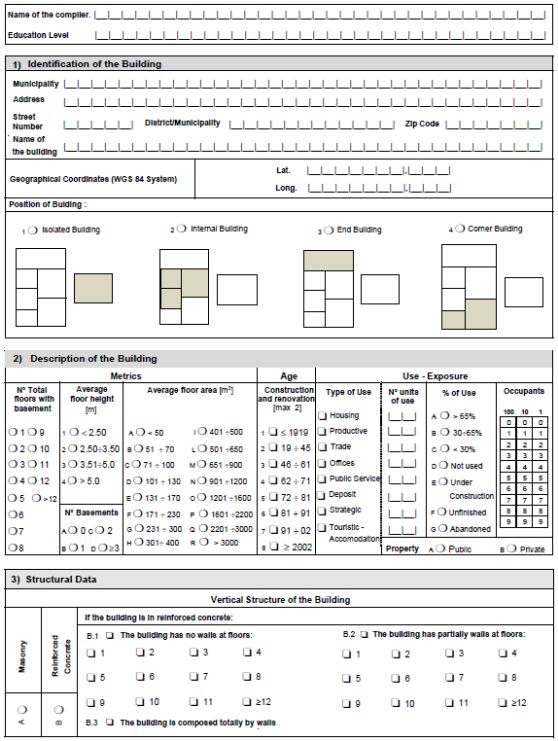
Ex. of ongoing project: SASAPARM 1 and SASPARM 2 (EU fund): www.sasparm.ps

Data collection

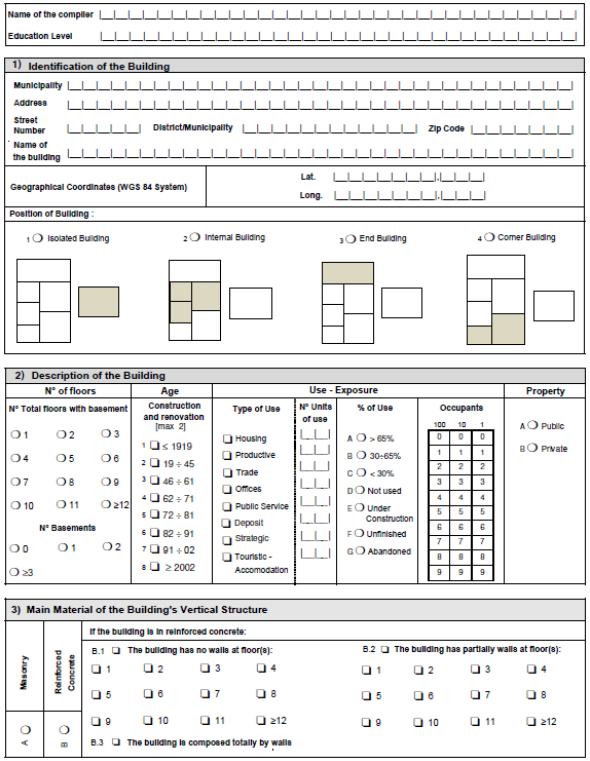
SASPARM2 Project-Selected case studay

Development of urban resilience strategies by working with Citizen and stakeholders .

- **Building data collection by using special forms: citizens and practitioners forms.**



Form - Practitioners



Form - Citizens

Att. See the project poster.

Training and workshops:

-Training for university students
- Training for practitioner eng.
- Training for citizens
- Workshops and lecturers for stakeholders and policy makers

- Identify the vulnerability class of the buildings according to their structural data.
- Appropriate retrofit measures for the mitigation of seismic risk will be suggested to the end users of the platform.

Ex. of ongoing project: SASAPARM 1 and SASPARM 2 (EU fund): www.sasparm.ps

Project follow up

- ✓ Extend the case study of Nablus municipality not only to all the other Palestinian municipalities but also to other Third and European Countries;
- ✓ Engage policy makers and government to foster long-term actions. Moreover, promoting Palestinian stakeholders' activities in a risk mitigation perspective with the foundation of a Palestinian Civil Protection Mechanism;
- ✓ Establish the concepts of risk governance to account for the possibility of earthquake insurance coverage (considering that the related cost would be reduced if private initiative in retrofitting world be taken);

Project follow up

- ✓ Ensure the maintenance of the Web-Based Platform to collect larger amounts of data on seismic vulnerability of citizens' properties first and public buildings next in order to keep the process of increasing awareness going on after the project lifetime.

- ✓ Promote new undergraduate and graduate courses on seismic risk mitigation since the training on this topic will play a fundamental role for the continuation of the project aims even after its lifetime. For this reasons, additional resources will be found to organize a new Master program in Palestine at the An-Najah National University, covering the topics of seismic risk mitigation. This action is already strongly encouraged by the Ministry of Education.