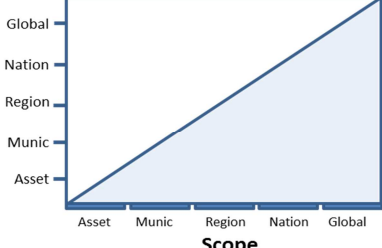


Loss Database Technical Overview Sheet

This technical overview sheet accompanies the JRC report on "Recording Disaster Losses: Recommendations for a European Approach" (<http://publications.jrc.ec.europa.eu/repository/handle/11111111/29296>) and aims to collect information on existing or planned loss databases in a systematic and comparable manner in support of a technical meeting on 15 November 2013. For more information please contact Tom De Groeve, Joint Research Centre of the European Commission (tom.de-groev@jrc.ec.europa.eu).

Purpose of loss database (See Chapter 3)

Applications and use	Scale and scope	Data assessment
<p>Mission</p> <ul style="list-style-type: none"> Loss Accounting <ul style="list-style-type: none"> Recording of impact Measuring trends Disaster forensic <ul style="list-style-type: none"> Identifying the cause Learning from the past Risk modeling <ul style="list-style-type: none"> Modelling future losses DRR and mitigation <p>Local users</p> <ul style="list-style-type: none"> Local policy (City mayor) Local expert teams Local research/policy <p>National users</p> <ul style="list-style-type: none"> National policy (National administration) National expert teams National research/policy (Regional GEM) <p>Global users</p> <ul style="list-style-type: none"> International policy (UN, donors, HFA, GAR) EU policy (DG ECHO) International expert teams (PDNA) International initiatives (GEM, GAR) EU policy <p>For which applications is the database designed?</p> <p><input checked="" type="checkbox"/> Loss accounting: Local and national <input checked="" type="checkbox"/> Disaster Forensics: national <input type="checkbox"/> Risk modelling: Click here to enter text.</p> <p>Who are the main users (ministry, policy, sector)? All stakeholders categories in particular policy decision makers</p> <p>Are you systematically sharing loss data with other organisations?</p> <p><input type="checkbox"/> No <input checked="" type="checkbox"/> With UN <input checked="" type="checkbox"/> With EU <input checked="" type="checkbox"/> With other org's What format or standard is used? (e.g. Excel, SQL, XML) Excel data + Meta data downloadable for free</p>	 <p>At what scale (precision) are you recording data? <input checked="" type="checkbox"/> Asset <input checked="" type="checkbox"/> Municipal <input checked="" type="checkbox"/> Regional <input type="checkbox"/> Nat <input type="checkbox"/> Global What is the scope or coverage of your database? <input type="checkbox"/> Asset <input type="checkbox"/> Municipal <input type="checkbox"/> Regional <input checked="" type="checkbox"/> Nat <input type="checkbox"/> Global</p> <p>What hazard types are covered?</p> <p><input type="checkbox"/> All hazards <input type="checkbox"/> A single hazard: Click here to enter text. <input checked="" type="checkbox"/> Multiple: flood, storm, subsidence</p> <p>Time period covered</p> <p><input checked="" type="checkbox"/> Historical records (From/to: 1995-2010) <input checked="" type="checkbox"/> Continuously updated and sustainable <input type="checkbox"/> Sustainability not guaranteed</p>	<p>Mandated organisation to collect data Insurers and reinsurers <input type="checkbox"/> Mandated <input type="checkbox"/> Academic/Project <input checked="" type="checkbox"/> Private</p> <p>What techniques are used to record loss data? <input checked="" type="checkbox"/> Desk research (media, government reports) <input type="checkbox"/> (Sectorial) field assessment teams <input checked="" type="checkbox"/> Official reporting mechanism (e.g. insurance claims or police reports) <input type="checkbox"/> Remote sensing Other: Click here to enter text.</p> <p>Do you have well-defined entry criteria? Which? Insured losses and NatCat ministerial decree</p> <p>Is there a quality assurance process? <input checked="" type="checkbox"/> Systematically <input type="checkbox"/> Ad hoc <input type="checkbox"/> No</p> <p>Language(s): FR</p>
<p>Comments: FIRST ATTEMPT TO FILL IN THE FORM. TO BE CONFIRMED. The collected loss data are only provided for sharing on an aggregated format mainly at municipality grid</p>		

External references: identifiers Considered / important

Do you refer to external database(s), and if yes, which one(s)?	If yes, how do you ensure correct relationships?
<input checked="" type="checkbox"/> Hazard database (e.g. USGS catalogue of earthquakes) http://www.onrn.fr/site/rubriques/_informations-thematiques/aleas.html <input checked="" type="checkbox"/> Exposed element database (e.g. cadastre, asset database) http://www.onrn.fr/site/rubriques/_informations-thematiques/enjeux-vulnerabilite-et-resilience-des-territoires.html <input checked="" type="checkbox"/> Loss data (e.g. surveys, forensic study, assessment report) http://www.onrn.fr/site/rubriques/_informations-thematiques/sinistralite-et-retours-dexperiences.html <input type="checkbox"/> The database is independent. There are no links with other databases	<input checked="" type="checkbox"/> Manual selection of corresponding records <input type="checkbox"/> Automatic selection <input type="checkbox"/> Mandatory (in workflow) <input checked="" type="checkbox"/> Optional (only done when possible) <input type="checkbox"/> We store the corresponding record identifier of external database <input type="checkbox"/> External database uses our record identifier <input type="checkbox"/> Use of common identifier (e.g. GLIDE number) <input type="checkbox"/> Other
<p>Comments: FIRST ATTEMPT TO FILL IN THE FORM. TO BE CONFIRMED.</p>	

Uncertainty handling Considered / important

Do you handle uncertainty or missing data explicitly in the database?	Do you handle uncertainty by referring to an external database?	If yes, how do you handle uncertainty or missing data?
<input checked="" type="checkbox"/> No, or only in narrative <input type="checkbox"/> For all fields <input type="checkbox"/> For most value fields <input type="checkbox"/> Only for key fields: Click here to enter text.	<input type="checkbox"/> Hazard database (e.g. USGS catalogue of earthquakes) <input type="checkbox"/> Affected element database (e.g. cadastre, asset database) <input type="checkbox"/> Loss data (e.g. surveys, forensic study, assessment report)	<input checked="" type="checkbox"/> Narrative, description <input checked="" type="checkbox"/> Qualitative (e.g. high, low) or Flag (e.g. exact, estimated, uncertain) <input type="checkbox"/> Quantitative metric (e.g. ±5km), range (min-max), statistic (e.g. st. dev.) <input type="checkbox"/> Probabilistic (e.g. PDF) <input type="checkbox"/> Storing multiple values, estimates or versions <input type="checkbox"/> Fixed conversion rules (e.g. 1 family = 4 persons; several buildings = 10) <input type="checkbox"/> Other, specify: e.g. assign to smallest administrative area containing the hazard

Comments: FIRST ATTEMPT TO FILL IN THE FORM. TO BE CONFIRMED.

Hazard (See Table 1) **Considered with** [Click here to enter text.](#) **fields in the database**

Geographical location of hazard	Temporal information of hazard	Hazard event classification
How is location recorded in the database? <input checked="" type="checkbox"/> Country (ISO3) <input checked="" type="checkbox"/> Subnational unit(s) <input type="checkbox"/> Point (lat/lon) <input type="checkbox"/> Footprint (poly)	How is time recorded in the database? <input checked="" type="checkbox"/> Date and time <input checked="" type="checkbox"/> Period (from – to) <input type="checkbox"/> Month only (for uncertain beginning/ending) <input type="checkbox"/> Spatio-temporal dynamic information	Which standard are you using? <input type="checkbox"/> CRED/MunichRe/IRDR standard <input type="checkbox"/> INSPIRE HazardCategoryValue <input checked="" type="checkbox"/> Other (standard internal or external list) <input type="checkbox"/> None (free text, optional)
Which standards are used? INSPIRE, L93	Event type specific attributes <input type="checkbox"/> All hazard data is recorded in the database <input checked="" type="checkbox"/> Some key data is recorded in the database <input checked="" type="checkbox"/> Reference to external hazard database	Hazard event identification Do you group records by hazard event? <input checked="" type="checkbox"/> Yes, using internal event identifier <input type="checkbox"/> Yes, linked to external event databases (e.g. GLIDE) <input type="checkbox"/> No, only individual loss records

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Loss indicators (See Tables 2,4-6) **Considered with** [Click here to enter text.](#) **fields in the database**

Damage / loss categories (Table 2)	Loss indicators for population (Table 6)	Loss indicators for property (Tables 4,5)
What are you recording? <input checked="" type="checkbox"/> Direct damage / people directly affected <input type="checkbox"/> Indirect loss / damage <input type="checkbox"/> Total loss / damage <input checked="" type="checkbox"/> Tangible (economic loss and people affected) <input type="checkbox"/> Intangible (loss of future usage, cultural, env.) For property , are you recording <input type="checkbox"/> Physical damage <input checked="" type="checkbox"/> Monetary loss	Do you break down affected population by <input type="checkbox"/> Killed <input type="checkbox"/> Missing <input type="checkbox"/> Injured <input type="checkbox"/> Evacuated <input type="checkbox"/> Displaced <input type="checkbox"/> Homeless <input type="checkbox"/> Victims <input type="checkbox"/> Affected <input type="checkbox"/> Total Based on standard or methodology: <input type="checkbox"/> UNDP/UNISDR (DesInventar) <input type="checkbox"/> EM-DAT <input type="checkbox"/> Internal <input type="checkbox"/> Other: Click here to enter text.	Do you record damage or losses (monetary value)? <input type="checkbox"/> Damage only; losses are calculated outside of db <input checked="" type="checkbox"/> Losses <input type="checkbox"/> Damage and losses Do you record damage / losses (Table 5) <input checked="" type="checkbox"/> At asset level (individual buildings) <input type="checkbox"/> For groups of buildings (e.g. total for city) Do you break down losses per sector (Table 4) <input type="checkbox"/> per sector <input type="checkbox"/> per loss owner (who bears the loss) <input checked="" type="checkbox"/> Other: only insured losses

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Affected element (See Tables 1,3,4) **Considered with** [Click here to enter text.](#) **fields in the database**

Geographical location of assets / losses	Population (killed, injured, displaced, etc.)	Property (damaged or destroyed)
Is location recorded separately for affected elements? <input type="checkbox"/> No, only the hazard is georeferenced <input checked="" type="checkbox"/> Country (ISO3), Subnational unit(s) <input type="checkbox"/> Point (lat/lon) <input type="checkbox"/> Footprint (poly)	Do you break down population by (see Table 3) <input type="checkbox"/> Age, Gender, Marital status, Education, etc. <input type="checkbox"/> Risk category (e.g. ECLAC method) Based on standard: <input type="checkbox"/> ECLAC <input type="checkbox"/> Other: Click here to enter text.	Do you break down property by (see Table 3) <input type="checkbox"/> Buildings versus Civil works (e.g. energy lines) <input type="checkbox"/> Crops / Moveable property (e.g. cars) <input type="checkbox"/> Structural properties (e.g. material, age, stories) <input type="checkbox"/> Classification (standard based) Based on standard: <input type="checkbox"/> EuroStat CC <input type="checkbox"/> HAZUS <input type="checkbox"/> Syner-G <input type="checkbox"/> Other: Click here to enter text.
	Sectorial Do you group affected elements by sector (e.g. energy, health, transport, residential) <input type="checkbox"/> Sectorial approach like ECLAC and Solidarity Fund <input type="checkbox"/> Mapped to national governmental departments <input type="checkbox"/> Other <input checked="" type="checkbox"/> No	Loss ownership Do you record who bears the loss in case of damage? <input type="checkbox"/> Systematically <input checked="" type="checkbox"/> Ad hoc <input type="checkbox"/> No Do you include these groups? <input type="checkbox"/> Public <input type="checkbox"/> Individual / business <input checked="" type="checkbox"/> Insurance

Comments: FIRST ATTEMPT TO FILL IN THE FORM. TO BE CONFIRMED.