Subnational INFORM Risk Index for SEE pilot countries

# Status update & Next steps

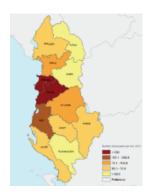


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# Overview of Geographical level (47 units) & RWG

#### Subnational INFORM = all indicators should be at admin 1 level



12 regions



8 regions



24 municipalities



3 regions

# Regional Working Group on subnational INFORM SEE

- ALB, MKD, MNE and BIH representatives + DPPI Secretariat + UNDRR
- Suport & oversee implementation



### Timeline

Below is the timeline for the planned Subnational INFORM risk assessment for South East Europe in 2021.

Phases		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep - onward
1:Preparation										
2: Structure & So	urces									
3: Data collection	1									
4: First model Pr	ototype									
5: Delivery & Rev	iew									
6: Use										

Table 1. Timeline of the subnational INFORM model development for SEE countries

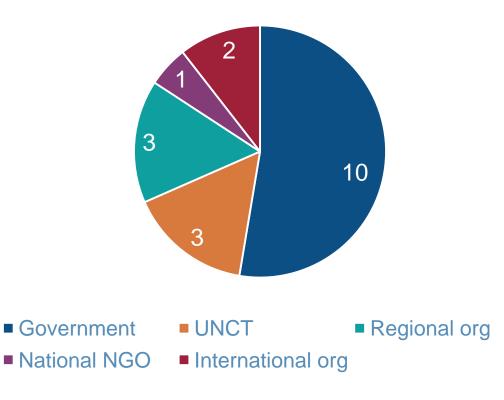
## Phase 2: adaptation of INFORM to regional context & data sources

Desk review of existing platforms and report to understand region specifics & explore possible data sources;

Conduct consultations (online meetings, email) to adapt INFORM structure to SEE region & identify data sources;

Draft of subnational INFORM structure for pilot 4 countries;

Discuss & agree on the consolidated feedback at RWG meeting;



### **INFORM risk index draft structure for DPPI SEE**

Othe

**Vulnerability** 

(27 indicators)

#### Hazard&Exposure

(28 indicators)

Earthguake	Physical exposure to MMI VI										
Carandoake	Physical exposure to MMI VIII										
Flood	Physical exposure to flood										
Desurable	People affected by drought (based on drought vuin map)										
Drought	Frequency of drought events										
Wildfires	Incidence of wildlines (including forest fires)										
	Total area burned by wildfires, ha										
1	Incidence of measles per 100,000 people										
	Incidence of influenza per 100,000 people										
	Incidence of Covid-19 cases										
	Number of Covid-19 fa	Number of Covid-19 fatalities									
Faidamia	People to people	Population	Pop density Pop in urban areas Urban pop growth Household size								
Epidemic		WASH	Access to sanitation&improved water								
	Water&Food bome	Population	Pop density Pop in urban areas; Urban pop growth; Household size Children US								
		WASH	Access to sanitation&improved water								
	)	Food	Number of Vets & food safet;								
Landslides	Physical exposure to	landsildes									
Technological hazards	Industrial accidents & # of pp affected										
recinological flazarda	Mines & unexploded	ordnances	∉ areas & # of ppi exposed								
Conflict & Violence	Internal conflict probability										

#### Poverty & Development (EDI. (MPI Atrisk of poverty rate, % Inequality Gender Inequality Index Income Gini coefficient (Economical Net ODA received Economical Dependency Volume of remittances as a proportion of total GDP (%) Unemployment rate (Uprooted people (Refugees and asylum-seelers) (Adult Prevalence of HIV-AIDS (Incidence of HIV (Incidence of Tuberculos)s

endency	Unemployment rate
	Youth unemployment rate
	Proportion of pop covered by at least 1 social protection benefit SDG
poted people	Refugees and asylum-seekers
	Adult Prevalence of HIV-AIDS
	Incidence of HIV
	[Incidence of Tuberculosis
	[Child Mortality (under-5)
	% of stunting among children under 5
	% of overweight among adults
	People affected by disasters last 3yrs SMF B1 (B2, B3, B4, B5)
er vulnerable groups	Number of deaths&missing attributed to disasters SFM AT(A2, A3)
	Direct economic loss altributed the disasters relative to GDP CT
	(C2_C3_C4_C5_C6) # of Intentional homicide cases
	Victims of family violence
	Average dietary supply adequacy
	Pop living in rural areas
	Number of pensioners
	montora de panatoriora

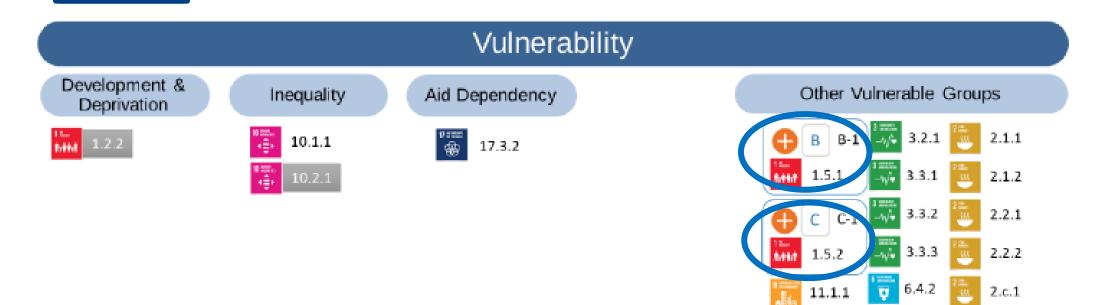
lumber of people with disabilitie

#### Coping capacity + SFM

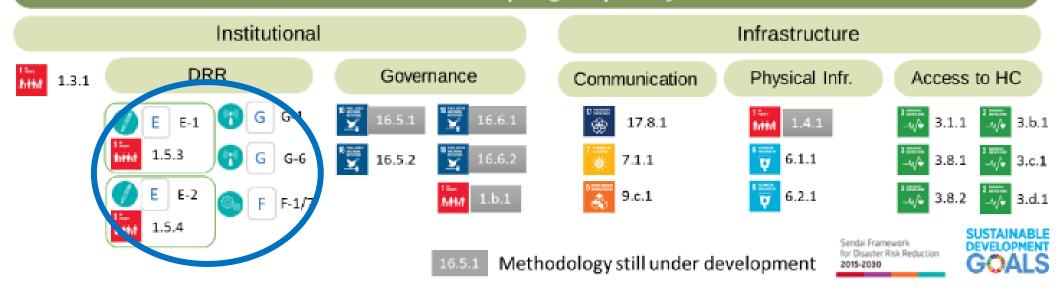
(26 indicators)

)	Government Effectiveness Index						
	Corruption Perception Index						
overnance	National score for adoption & Impl of national DRR strategies SFM-E1						
	S of local gov that have adopted8impt local DRR strategies in line with national strategies SFM-E2						
	Total official Intern support (ODA) for national DRR SFM F1						
	And Interni, regional&bilatoral programmes to build capacity around DRFCSFM FS						
	(For adm 1 units that have multi hazard early warning systems. S-M G1 (IRC0d ng G2, G3, G4, G5)						
RR implementation	% of pop protected through early warning SFM 06						
	Damage to critical infrastructure attributed to disasters SFM D1 (including D2,D3,D4)						
	Total number of critical infrastructure assets (to support SFM D1)						
	# of disruptions to basic services attributed to disasters SFM D5(incl D6, D7, D8)						
olunteers	# of Red Cross/Crescent Volunteers						
	# of edmin 1 (regional/municipality level) volunteers						
1	Adult literacy rate						
Communication	Access to electricity						
J	Mobile celluer subscriptions						
	Road density						
huslasl Connectivity	People using at least basic sanitation services(% of population)						
hysical Connectivity	People using at least basic drinking water services (% of population)						
	Current health expenditure per capita						
	Coverage of DTP3 vaccine						
and the second	Coverage of measies-containing vaccine						
ccess to health care	Coverage of pneumocoocal conjugate vaccine						
	Physicians density						
	Maternal Mortality Ratio						

# **INFORM linkages with SFM & SDG monitoring**



Lack of coping capacity



#### **Next steps:**

Finalize phase 3 (data collection) BY 30 APR

- Collect indicators from national and global sources;
- Establish admin boundaries and names of admin 1 units;
- Clean & process indicators by 31 May

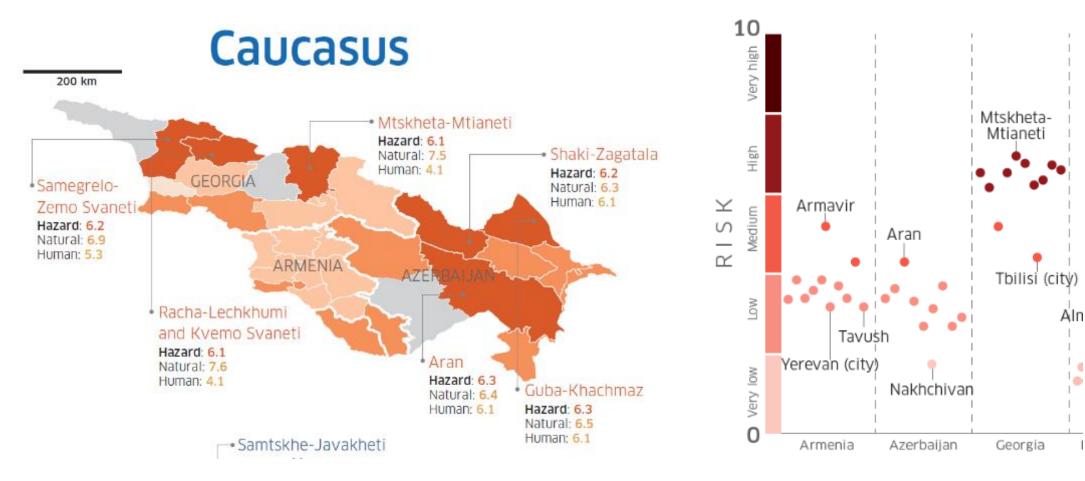
#### Finalize phase 4 (build first model) BY 30 JUN

- Build first model;
- Run statistical test;
- Make changes & share RWG for feedback;
- Finalize & endorse results with RWG.

### Phase 5: Results in September 2021 (example)

Deta	iled results	Rank	Natural	Human	HAZARD & EXPOSURE	Socio-Economic V uherability	V ulnerable Groups	VULNERABILITY	Institutional	Infrastructure	LACK OF COPING CAPACITY	inform risk	RISK CLASS	Reliability index <sup>1</sup>
COUNTRY Armenia	FIRST A DMINISTRATIVE LEVEL	(1-82)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(Very low-Very high	n) (0-10)
	Aragatsotn	55	4.1	3.6	3.9	3.1	3.5	3.3	4.8	4.4	4.6	3.9	LOW	3.4
	Ararat	41	5.8	3.6	4.8	3.5	4.3	3.9	4.2	4.3	4.3	4.3	Low	3.4
	Armav Ir	26	6.2	3.6	5.0	3.4	6.0	4.8	5.1	4.6	4.9	4.9	Medium	3.4
	Gegharkunik	55	5.0	3.6	4.3	3.3	2.7	3.0	4.9	4.5	4.7	3.9	Low	3.4
	Kotayk	50	4.9	3.6	4.3	3.5	2.8	3.2	5.2	4.7	5.0	4.1	Low	3.4
	Lori	41	5.4	3.6	4.6	3.8	3.2	3.5	3.8	5.6	4.8	4.3	Low	3.4
	Shirak	45	5.0	3.6	4.3	3.8	3.4	3.6	3.9	5.6	4.8	4.2	Low	3.4
	Syunik	37	6.5	3.6	5.2	3.2	4.1	3.7	4.6	4.2	4.4	4.4	Medlum	3.4
	Tavush	59	5.5	3.6	4.6	3.1	2.6	2.9	3.4	4.8	4.1	3.8	Low	3.4
	Vayots Dzor	55	5.7	3.6	4.7	3.4	2.2	2.8	3.4	5.5	4.5	3.9	Low	3.4
	Yerevan (city)	59	3.6	6.5	5.2	3.1	2.8	3.0	3.4	3.4	3.4	3.8	Low	3.4
Azerbaljan	Absheron	52	4.1	6.1	5.2	2.3	5.4	4.0	2.7	3.3	3.0	4.0	Low	4.8
	Aran	37	6.4	6.1	6.3	2.1	5.0	3.7	2.4	4.8	3.7	4.4	Medlum	4.8
	Ganja-Gazakh	50	5.1	6.1	5.6	2.0	4.4	3.3	2.4	4.6	3.6	4.1	Low	4.8
	Guba-Khachmaz	55	6.5	6.1	6.3	2.3	2.3	2.3	2.4	5.5	4.1	3.9	Low	4.8
	Lankaran	59	5.1	6.1	5.6	2.1	2.5	2.3	2.4	5.5	4.1	3.8	Low	4.8
	Mountainous Shirvan	64	4.8	6.1	5.5	2.2	2.1	2.2	2.4	5.1	3.9	3.6	Low	4.8
	Nakhchivan	70	3.9	6.1	5.1	1.7	1.7	1.7	2.2	4.0	3.2	3.0	Very Low	4.5
	Shakl-Zagatala	64	6.3	6.1	6.2	1.9	2.2	2.1	2.4	4.8	3.7	3.6	Low	4.8
	Upper Garabagh <sup>2</sup>	45	4.3	7.2	5.9	1.7	5.0	3.5	2.4	4.8	3.7	4.2	Low	4.8
	Baku (city)	63	4.0	6.8	5.6	2.4	5.1	3.9	2.0	2.8	2.4	3.7	Low	4.5
Georgia	Autonomous Republic of Adjara	18	6.5	2.9	5.0	3.7	6.6	5.3	7.3	4.8	6.2	5.5	High	5.0
	Guria	28	3.4	2.9	3.2	3.6	7.0	5.6	7.3	4.9	6.2	4.8	Medlum	5.0
	Imereti	22	5.4	4.1	4.8	3.5	6.4	5.1	7.4	4.7	6.2	5.3	High	5.0
	Kakheti	22	5.5	2.9	4.3	3.9	6.4	5.3	7.4	5.3	6.5	5.3	High	5.0
	Kvemo Kartli	20	5.4	4.1	4.8	3.7	6.4	5.2	7.4	5.0	6.3	5.4	High	5.0
	http://www.internetic	0	7.5	4.1	6.1	2.0	76	6.1	75	5.2	65	6.2	Lilab	FO

#### Phase 5: Results in September 2021 (example)



## Thank you!

#### Questions, comments, reflection

### More information on global & subnational INFORM

#### **INFORM website & results for 2021** https://drmkc.jrc.ec.europa.eu/inform-index

**INFORM subnational methodology and other subnational results** https://drmkc.jrc.ec.europa.eu/inform-index/INFORM-Subnational-Risk