Continent	Country	LEWS_extent	LEWS_stage	Scope_of_the_service	Trigger_derived_from_scope_additive	Landslide_type	Landslide_types_additive	Location	InstitutionResponsible_ManagedBy	Type_of_institution	Type_of_institution_additive	Designed_by_incollaboration	Designed_by_incollaboration_nameofcollaborators	Name_of_the_service_originalname	Period_of_operation_Startingyear	Period_of_operation_total	Advisory_target	Webpage_type	Webpage_name	Mechanism_of_verification	Operational_sustainability_1	Operational_sustainability_2	Span_typeofnetwork	Current_challenges	WarningEmission_StandardOperativeProcedure	References	Type_of_reference	ID_Guzzettietal2020	ID_Pecoraroetal2019	ID_Piciulloetal2018	ID_Stählietal2015
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
America	Brazil	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Rio d Janeiro - Municipality	Fundacao Instituto de Geotechnica do Municipio do Rio de Janeiro (GEO - Rio Fundation)	GL	National/local authority with mandate	Unknown		ALERTA-Rio	1996	≥10y	All	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	D'Orsi et al 1997, Ortiago et al 2001	Yes, impacted international litterature	RDJ #7		SA1	1
America	Brazil	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Rio d Janeiro - 113 communities	Fundacao Instituto de Geotechnica do Municipio do Rio de Janeiro (GEO - Rio Fundation)	GL	National/local authority with mandate	Unknown		ALERTA-Rio	2011	≥10y	All	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Calvello et al 2014, D'Orsi 2012	Yes, impacted international litterature	RDJ #7		SA3	
America	Canada	L	O	Deep seated landslide	Geo-induced	RA	1 type	Turtle Mountain	Alberta Geological Survey	GR	Unknown	Unknown			2014	5-10y	Unknown	Unknown			Unknown	Unknown	Unknown	Unknown	Unknown	Read et al 2005, Moreno and Froese 2010, Froese and Moreno 2014	Yes, impacted international litterature		NA_2005_A		
America	Canada	R	Di	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	District of North Vancouver	British Columbia Ministry of Forest	GR	Unknown	Unknown			2009-2011	≤5y	IN	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Jakob et al 2012	Yes, impacted international litterature	NVC #6	NA_2009_A		6
America	Canada	Unknown	Unknown	Deep seated landslide	Geo-induced	Unknown	Unknown	British Columbia	Unknown	Unknown	Unknown	Unknown			Unknown	Unknown	Unknown	Unknown			Unknown	Unknown	Unknown	Unknown	Unknown	Jakob et al 2006	Yes, impacted international litterature				7
America	Chile	R	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DF, DS	2 types	South of Chile	University of La Frontera	U, RC	Research/academic extension service	Unknown	Ivo Fustos, University of La Frontera	RILEWS-UFRO	2014	5-10y	NA, LA	Not on the web		Quantitative	Funds from NGO/Private/International agency	Unknown	Unknown	Integration to national emergency system	Unknown	Fustos-Toribio et al 2022	Yes, impacted international litterature				
America	Colombia	R	E	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	Combeima valley	Swiss Development and Cooperation Agency	IA	International agency	Unknown			2009?	Unknown	ER/CP	Unknown		None	Unknown	Unknown	Unknown	Unknown	Unknown	Huggel et al 2010	Yes, impacted international litterature	COM #8		SA2	2
America	Costa Rica	L	Di	Rainfall-induced landslides	Meteo (rain and/or snow)	La	1 type	Juco, Orosi	OVSICORI	U, RC	Research/academic extension service	Unknown			2002-2010	5-10y	LA, Re	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Costa Rica	L	Di	Landslides at volcanoes	Geo-induced	La	1 type	Las Torres, Irazu	National Emergency Commision (CNE)	GN	Unknown	Unknown			2011-2020	5-10y	LA, Re	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Costa Rica	L	O	Landslides at volcanoes	Geo-induced	La	1 type	Masis Santa Ana	National Emergency Commision (CNE)	GN	Unknown	Unknown			2018	5-10y	LA, Re	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Costa Rica	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	S	1 type	San José City	National Emergency Commision (CNE)	GN	Unknown	Unknown			2010	≥10y	LA, Re	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	El Salvador	N	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, EF, La, MF, S	≥3 types	El Salvador	Observatory of Hazards and Natural Resources, Ministry of Environment and Natural Resources	GN	National/local authority with mandate	Unknown			2005	≥10y	All	Dedicated wepage accessible to all	https://www.snet.gob.sv/ver/riesgo/pronostico+de+impacto/	Unknown	Annual governmental funds	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Honduras	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	S	1 type	El Berrinche	Municipal Emergency Committee CODEM)	GL	Unknown	Unknown			1999?	Unknown	LA, Re	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Honduras	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	S	1 type	El Reparto	Municipal Emergency Committee CODEM)	GL	Unknown	Unknown			1999?	Unknown	LA, Re	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Nicaragua	L	Di	Landslides at volcanoes	Geo-induced	La	1 type	Concepción Volcano	Instituto Nicaraguense de Estudios Territoriales (INETER)	GN	National/local authority with mandate	Designed in collaboration with other institutions	Norwegian Geotechnical Institute		2002-2008	5-10y	NA, ER/CP	Not on the web		Unknown	Funds from NGO/Private/International agency	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Nicaragua	L	Di	Landslides at volcanoes	Geo-induced	La	1 type	San Cristóbal Volcano	Instituto Nicaraguense de Estudios Territoriales (INETER)	GN	National/local authority with mandate	Designed in collaboration with other institutions	Norwegian Geotechnical Institute		2002-2008	5-10y	NA, ER/CP	Not on the web		Unknown	Funds from NGO/Private/International agency	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Nicaragua	L	Di	Landslides at volcanoes	Geo-induced	La	1 type	Mombacho Volcano	Instituto Nicaraguense de Estudios Territoriales (INETER)	GN	National/local authority with mandate	Designed in collaboration with other institutions	Norwegian Geotechnical Institute		2002-2008	5-10y	NA, ER/CP	Not on the web		Unknown	Funds from NGO/Private/International agency	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Nicaragua	L	Di	Landslides at volcanoes	Geo-induced	La	1 type	Casita Volcano	Instituto Nicaraguense de Estudios Territoriales (INETER)	GN	National/local authority with mandate	Designed in collaboration with other institutions	Norwegian Geotechnical Institute		2002-2008	5-10y	NA, ER/CP	Not on the web		Unknown	Funds from NGO/Private/International agency	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Nicaragua	L	Di	Rainfall-induced landslides	Meteo (rain and/or snow)	S	1 type	Dipilto	Swiss Development and Cooperation Agency/Dipilto Municipality	GL, IA	International agency	Designed in collaboration with other institutions			2005-2006	≤5y	LA, Re	Not on the web		Unknown	No regular funds	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	Nicaragua	N	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, EF, La, MF, S	≥3 types	Nicaragua	Instituto Nicaraguense de Estudios Territoriales (INETER)	GN	National/local authority with mandate	Designed in collaboration with other institutions			2008	≥10y	ER/CP	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Reyes et al 2020	LandAware contacts				
America	USA	L	O	Landslides at volcanoes	Geo-induced	La	1 type	Mt Ranier	US Geological Survey (USGS)/Pierce County Emergency Management (PCEM)	GN	National/local authority with mandate	Unknown			1998	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	LaHusen 1998, Pierson et al 2014, USGS 2018, PCEM 2018	Yes, impacted international litterature		NA_1998_A		
America	USA	R	Di	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	San Francisco Bay area	US Geological Survey (USGS)/US National Weather Service (NWS)	GN	National/local authority with mandate	Unknown			1985-1995	≥10y	All	Unknown		Qualitative	Unknown	Unknown	Unknown	Unknown	Unknown	Keefer et al 1987, Wilson 2012	Yes, impacted international litterature	SFB #2		NA1	4
America	USA	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Western Oregon	Oregon Department of Forestry (ODF), Oregon Department of Transportation (ODOT), Oregon Department of Geology and Mineral	GR	Unknown	Unknown			1997	≥10y	All	Unknown		None	Unknown	Unknown	Unknown	Unknown	Unknown	Baum and Godt 2010, DOGAMI 2005	Yes, impacted international litterature	WOR #3		NA2	
America	USA	R	E	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Seattle - Municipality	US Geological Survey (USGS)/US National Weather Service (NWS) /City of Seattle	GN, GL	Unknown	Unknown			2002	≥10y	All	Unknown		Qualitative	Unknown	Unknown	Unknown	Unknown	Unknown	Chleborad et al 2008	Yes, impacted international litterature	SEA #4		NA4	5
America	USA	R	O	Rainfall-induced landslides (after wildfire)	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Southern California	US Geological Survey (USGS) / National Oceanic and Atmospheric Administration (NOAA)	GN	National/local authority with mandate	Unknown			2005	≥10y	All	Unknown		Qualitative	Unknown	Unknown	Unknown	Unknown	Unknown	NOAA-USGS 2005	Yes, impacted international litterature	SCA #5		NA5	3
America	USA	Unknown	Unknown	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Appalachians	US Geological Survey (USGS)	GN	National/local authority with mandate	Unknown			Unknown	Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Baum 2007, Wieczorek et al 2000	Yes, impacted international litterature			NA3	
America	More than one country	MC	Di	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, EF, La, MF, S	≥3 types	Central America & the Caribbean	NASA	IA	International agency	Unknown			2015-2018	≤5y	NA	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Kirschbaum et al 2015	Yes, impacted international litterature	CAC #23			
Asia	Bangladesh	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Chittagong Metropolitan Area	Bangladesh University of Engineering and Technology (BUET) / Japan Instittue of Disaster prevention and Urban Safety (JIDPUS)	P	Regulated private entities	Unknown			2018	5-10y	Unknown	Unknown		None	Unknown	Unknown	Unknown	Unknown	Unknown	Ahmed et al 2018	Yes, impacted international litterature	CHM #10		AS9	
Asia	China/Hong Kong	R	O	Rainfall-induced landslides	Meteo (rain and/or snow); Manmade	DF, RF, RS, S	≥3 types	The whole territory of Hong Kong	Geotechnical Engineering Office (GEO) / Hong Kong Observatory (HKO)	GR	National/local authority with mandate	Unknown	Geotechnical Engineering Office (GEO)	Landslip Warning System	1977	≥10y	All	Dedicated wepage accessible to all	https://hkss.cedd.gov.hk/hkss/en/protection-against-landslide-	Quantitative	Annual governmental funds	Unknown	Unknown	Unknown	Unknown	Chan et al 2003, Choi and Cheung 2013, Wong et al 2014, Kong et al 2020	Yes, impacted international litterature	HGK #1		AS1	17
Asia	China	L	Di	Deep seated landslide	Geo-induced	RA	1 type	Xintan Town	Unknown	Unknown	Unknown	Unknown			1977-1986	5-10y	LA, Re	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Wang 2009, Li et al 2016	Yes, impacted international litterature		AS_1977_N		
Asia	China	L	O	Deep seated landslide	Geo-induced	Unknown	Unknown	Wushan town	Ministry of Land and Resource	Unknown	Unknown	Unknown			2004	≥10y	All	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Wang et al 2008, Yin et al 2010	Yes, impacted international litterature		AS_2004_A		
Asia	China	L	E	Rainfall-induced landslides	Meteo (rain and/or snow)	Unknown	Unknown	Longjingwan	State Key Laboratory of Geohazard Prevention and Geoenvironment Protection	Unknown	Unknown	Unknown			2014	5-10y	Re	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Huang et al 2013, Ju et al 2015	Yes, impacted international litterature		AS_2014_P		
Asia	China	R	Unknown	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Zhejiang Province	Unknown	GN	Unknown	Unknown			2004	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yin et al 2007, Zhang et al 2011	Yes, impacted international litterature			AS2	
Asia	China	R	Unknown	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Hubei Province	Wuhan meteorological center	Unknown	Unknown	Unknown			2006	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yin et al 2007, Zhong et al 2009	Yes, impacted international litterature			AS3	
Asia	Indonesia	Unknown	O	Unknown	Unknown	S	1 type	Papua	Geoapp/PT Freeport	P	Regulated private entities	Unknown			Unknown	Unknown	Unknown	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Farina et al 2020	Yes, impacted international litterature				
Asia	Indonesia	L	E	Unknown	Unknown	Unknown	Unknown	Banjarnegara	Asian Institute of Technology	Unknown	Unknown	Unknown			2007-2008	≤5y	All	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Honda et al 2008, Sassa et al 2009	Yes, impacted international litterature		AS_2007_P		18
Asia	Indonesia	N	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Indonesia	Balai Litbang Sabo (BLS)	GN?	Unknown	Designed in collaboration with other institutions	Deltares, Muhamadiyah Unversity Yogyakarta, Indonesia Sabo	Delft-FEWS	2016	5-10y	All	Unknown		Underway	Unknown	Unknown	Unknown	Unknown	Unknown	Hidayat et al 2019, Mulyanan et al 2019	Yes, impacted international litterature	IDN #24			
Asia	Indonesia	R	De	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Java	Unknown	Unknown	Unknown	Unknown			2010	≥10y	IN	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Liao et al 2010	Yes, impacted international litterature	JAV #9			
Asia	Japan	N, L	O	Rainfall-induced landslides and Rainfall and earthquake-triggered	Meteo (rain and/or snow); Geo-induced	DA, DF, EF, MF, MS, S	≥3 types	Local municipalities, all over the nation	Each prefectural government and local Meteorological Office (JMA)	GN, GL	National/local authority with mandate	Designed in collaboration with other institutions	Government (National, MLIT and JMA)	Sediment-related Disaster Alert	2005/2007	≥10y	All	Unknown		Quantitative	Annual governmental funds	Unknown	Wired dedicated/redundat	Government budget	Unknown	Osanai, et al 2010, Nakaya (2020), Kaihara et al 2023, JMA HP	Yes, impacted international litterature			AS5	
Asia	Japan	L	E	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	Nojiri River Basin	Kyoto University	Unknown	Unknown	Unknown			1991-1992	≤5y	IN	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Itakura et al 1997, Itakura et al 2000, Takeshi 2011	Yes, impacted international litterature		AS_1991_P		14
Asia	Malaysia	R	Unknown	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	North South Expressway	PLUS, Expressway Malaysia	Unknown	Unknown	Unknown			2006	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Huat et al 2012, Lloyd et al 2001	Yes, impacted international litterature			AS4	
Asia	Sri Lanka	R	Unknown	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Ten district	National building Research Organization (NBRO)	Unknown	Unknown	Unknown			2011	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Piciullo et al 2018	Yes, impacted international litterature			AS8	
Asia	Taiwan	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	Taiwan torrents	Soil and Water Conservation Bureau (SWCB)	Unknown	Unknown	Unknown			2002	≥10y	NA	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yin et al 2011	Yes, impacted international litterature		AS_2002_A		16?
Asia	Taiwan	N	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Taiwan	Soil and Water Conservation Bureau (SWCB)	GN	National/local authority with mandate	Unknown			2000	≥10y	All	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Yin et al 2015, 2016	Yes, impacted international litterature	TWN #20		AS6 or AS7?	15
Asia	Taiwan	R	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Souther Taiwan	Unknown	P?	Regulated private entities	Unknown			2019	5-10y	IN	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Wei et al 2018	Yes, impacted international litterature	STW #11		AS6 or AS7?	
Asia	Tajikistan	L	O	Unknown	Unknown	Unknown	Unknown	Lake Sarez	Ministry of Defense	Unknown	Unknown	Unknown			2005	≥10y	LA	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Di Biagio and Kjekstad 2007	Yes, impacted international litterature		AS_2005_A		
Europe	Czechia	L	E	Landslides in rock	Geo-induced	RF	1 type	Prague, Tašovice, Děčín, Labský důl, Požáry	Czech Academy of Sciences, Institute of Rock Structure and Mechanics	RC	Research/academic extension service	Unknown	Czech Academy of Sciences, Institute of Rock Structure and	SlopeNet	2019	5-10y	IN	Unknown		Underway	Annual governmental funds	Unknown	Unknown	Unknown	Unknown	Racek et al 2021	Yes, impacted international litterature				
Europe	Czechia	L	E	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	S	1 type	Čeřeniště	Czech Academy of Sciences, Institute of Rock Structure and Mechanics	RC	Research/academic extension service	Unknown	Czech Academy of Sciences, Institute of Rock Structure and	SlopeNet	2000	≥10y	IN	Unknown		Underway	Annual governmental funds	Unknown	Unknown	Unknown	Unknown	Blahůt et al 2019	Yes, impacted international litterature				
Europe	Czechia	N, R	De	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	S	1 type	České středohoří, Czechia	Czech Academy of Sciences, Institute of Rock Structure and Mechanics	RC	Research/academic extension service	Unknown	Czech Academy of Sciences, Institute of Rock Structure and	SlopeNet	Unknown	Unknown	IN	Unknown		Underway	Annual governmental funds	Unknown	Unknown	Unknown	Unknown		LandAware contacts				
Europe	England	L	O	Unknown	Unknown	CR	1 type	Coastal areas / West Dorset	Unknown	Unknown	Unknown	Unknown			1997	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Clark et al 1996, Cole and Davis 2002	Yes, impacted international litterature		EU_1997_A		8
Europe	France	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	EF, MF, MS	≥3 types	La Valette	Service de Restauration des Terrains en Montaigne	GN?	Unknown	Unknown			2007	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Pecoraro et al 2019	Yes, impacted international litterature		EU_2007_A		
Europe	Germany	L	O	Unknown	Unknown	Unknown	Unknown	South west	Unknown	Unknown	Unknown	Unknown			2002	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Thiebes 2011	Yes, impacted international litterature		EU_2002_A		
Europe	Germany	L	E? Po?	Landslides in rock	Geo-induced	RF	1 type	Swabian Alb	German Federal Ministry of Education and Research	GN	National/local authority with mandate	Unknown			2007-2009	≤5y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Thiebes et al 2014	Yes, impacted international litterature		EU_2007c_P		
Europe	Italy	L	E? Po?	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	Moscardo Catchment	Friuli Venezia Giulia Region - Forest Service	GR	National/local authority with mandate	Unknown			1995-1997	≤5y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Arattano, 1999	Yes, impacted international litterature		EU_1995_P		
Europe	Italy	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	Nals	Civil Protection	Unknown	Unknown	Unknown			2000	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Egger and Mair, 2009	Yes, impacted international litterature		EU_2000_A		9
Europe	Italy	L	E? Po?	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	Unknown	Unknown	Aosta Valley	Aosta Control Centre	GR	National/local authority with mandate	Unknown			2003	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Broccolato 2010, Tamburini 2005, Tamburini and Martelli 2006	Yes, impacted international litterature		EU_2003_A		
Europe	Italy	L	E? Po?	Deep seated landslide	Geo-induced	RA, RS	2 types	Ruinon	Arpa Lombardia	GR	National/local authority with mandate	Unknown			2006	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Crosta and Agliardi 2003, Baron et al 2012	Yes, impacted international litterature		EU_2006_P		
Europe	Italy	L	E? Po?	Landslides in rock	Geo-induced	RF	1 type	Torgiovannetto	Unknown	Unknown	Unknown	Unknown			2007	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Intrireri et al 2012	Yes, impacted international litterature		EU_2007b_P		13
Europe	Italy	L	O	Deep seated landslide	Geo-induced	S	1 type	Ancona	Ancona monitoring Center	GL	Unknown	Unknown			2008	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Cotecchia 2006, Cardellini and Osimani 2008, Cardinaletti et al 2011	Yes, impacted international litterature		EU_2008_A		
Europe	Italy	L	O	Deep seated landslide	Geo-induced	RA, RS	2 types	Mt La Saxe	Geological Survey of Aosta Valley Region	GR	National/local authority with mandate	Unknown			2009	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Crosta et al 2014, Crosta et al 2015, Manconi and Giordan 2015	Yes, impacted international litterature		EU_2009_A		
Europe	Italy	L	O	Unknown	Unknown	Unknown	Unknown	Alice Bel Colle	Alice Bel Colle Municipality	GL	Unknown	Unknown			2010	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Olivieri et al 2012	Yes, impacted international litterature		EU_2010_A		
Europe	Italy	L	O	Deep seated landslide	Geo-induced	S	1 type	Bagnaschino	Geological Bureau of the Province of Cuneo	GL	Unknown	Unknown			2010	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Giuliani et al 2010	Yes, impacted international litterature		EU_2010b_A		
Europe	Italy	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Dolomites	Unknown	Unknown	Unknown	Unknown			Unknown	Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Bacchini and Zannoni 2003	Yes, impacted international litterature				10
Europe	Italy	R	O	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DF, S	2 types	Piemonte region	Piemonte Regional Functional Center (ARPA Piemonte)	GR	National/local authority with mandate	Unknown		DEFENSE, SMART, TRAPS	2008	≥10y	LA, ER/CP	Unknown		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Tiranti et al 2014, Tiranti and Rabuffetti 2010, Tiranti et al 2013, Capparelli and Tiranti 2010	Yes, impacted international litterature	PIE #13		EU4	11
Europe	Italy	R	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Liguria region	Liguria Regional Functional Center (ARPA Liguria)	GR	National/local authority with mandate	Designed in collaboration with other institutions	CNR-IRPI	SARF-Liguria LEWS	2014	5-10y	LA, ER/CP	Dedicated webpage with restriction	http://sarf-liguria.irpi.cnr.it/	Quantitative	Annual funds from local authorities	Unknown	Unknown	Unknown	Unknown	Guzzetti et al 2020	Yes, impacted international litterature	LIG #16			
Europe	Italy	R	O	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DF, S	2 types	Emilia Romagna region	Emilia Romagna Regional Functional Center (ARPA Emilia Romagna)	GR	National/local authority with mandate	Designed in collaboration with other institutions	University of Florence, Geological Survey, Civil protection Agency of	SIGMA	2006	≥10y	Unknown	Not on the web		Quantitative	Unknown	Unknown	Unknown	Unknown	Unknown	Segoni et al 2018, Martelloni et al 2012	Yes, impacted international litterature	EMR #12		EU3	
Europe	Italy	R	Unknown	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DF, S	2 types	Emilia Romagna region	Emilia Romagna Regional Functional Center (ARPA Emilia Romagna)	GR	National/local authority with mandate	Unknown		MACUMBA (Emilia Romagna)	Unknown	Unknown	Unknown	Not on the web		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Rosi et al 2020	Yes, impacted international litterature				
Europe	Italy	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DF, S	2 types	Toscana region	Toscana Regional Functional Center (ARPA Toscana)	GR	National/local authority with mandate	Designed in collaboration with other institutions	University of Florence	MACUMBA (Tuscany)	2013	5-10y	Unknown	Dedicated webpage with restriction		None	Unknown	Unknown	Unknown	Unknown	Unknown	Segoni et al 2015, Segoni et al 2014, Rosi et al 2017	Yes, impacted international litterature	TUS #15		EU1	12
Europe	Italy	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Umbria region	Umbria Regional Functional Center	GR	National/local authority with mandate	Unknown		LANDWARN	2013	5-10y	Unknown	Unknown		None	Unknown	Unknown	Unknown	Unknown	Unknown	Ponziani et al 2013	Yes, impacted international litterature	UMB #14		EU5	
Europe	Italy	R	Unknown	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Campania region	Campania Regional Functional Center	GR	National/local authority with mandate	Unknown			Unknown	Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Piciullo et al 2018	Yes, impacted international litterature			EU2	
Europe	Italy	R	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Puglia region	Puglia Regional Functional Center	GR	National/local authority with mandate	Designed in collaboration with other institutions	CNR-IRPI	SARF-Puglia LEWS	2019	5-10y	LA, ER/CP	Dedicated webpage with restriction	http://sarf-puglia.irpi.cnr.it	Underway	Unknown	Unknown	Unknown	Unknown	Unknown	Guzzetti et al 2020	Yes, impacted international litterature	APU #18			
Europe	Italy	R	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Sardegna region	Sardegna Regional Functional Center	GR	National/local authority with mandate	Designed in collaboration with other institutions	CNR-IRPI	SARF-Sardegna LEWS	2017	5-10y	LA, ER/CP	Unknown	http://interface40-sardegna.irpi.cnr.it/it/login/?next=/i	Underway	Unknown	Unknown	Unknown	Unknown	Unknown	Guzzetti et al 2020	Yes, impacted international litterature	SAR #17			
Europe	Italy	R	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Sicily region	Sicily Civil Protection	GR	National/local authority with mandate	Designed in collaboration with other institutions	University of Messina	HEWS	2017	5-10y	Unknown	Unknown		None	Unknown	Unknown	Unknown	Unknown	Unknown	Brigandi et al 2017	Yes, impacted international litterature	SIC #19			
Europe	Italy	N	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Italy	CNR-IRPI	RC	Research/academic extension service	Unknown	CNR-IRPI	SANF	2008	≥10y	ER/CP	Dedicated webpage with restriction	http://sanf-dpc.irpi.cnr.it/login/?next=/	Quantitative	Annual governmental funds	Unknown	Unknown	Unknown	Unknown	Rossi et al 2012, Rossi et al 2018	Yes, impacted international litterature	ITA #21		EU6	
Europe	Italy	N	Po	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Italy - National Railway Network	CNR-IRPI	P	Regulated private entities	Unknown	CNR-IRPI	SANF	2008	≥10y	Tr	Dedicated webpage with restriction	http://sanf-rfi.irpi.cnr.it/it/	Quantitative	Annual governmental funds	Unknown	Unknown	Unknown	Unknown	Rossi et al 2012, Rossi et al 2018	Yes, impacted international litterature				
Europe	Norway	L	E	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Hegra-Meråker	Norwegian university of science and technology (NTNU)	U	Research/academic extension service	Designed in collaboration with other institutions	Klimadigital project members		2018	5-10y	IN, NA	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		LandAware contacts				
Europe	Norway	L	O	Snow avalanches and Landslides	Meteo (rain and/or snow)	DA, DF, RF, SF	≥3 types	E16 Bogelia	Norwegian Public Road Administration (NPRA)	GN	National/local authority with mandate	Unknown			2017	5-10y	IN	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		LandAware contacts				
Europe	Norway	L	O	Snow avalanches and Landslides	Meteo (rain and/or snow)	DA, DF, RF, SF	≥3 types	Fv 7900 Holmbuktura	Norwegian Public Road Administration (NPRA)	GN	National/local authority with mandate	Unknown			2018	5-10y	IN	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		LandAware contacts				
Europe	Norway	L	O	Landslides in rock	Geo-induced	RF	1 type	26 locations	Norwegian Railway Authority (Bane Nor)	GN	National/local authority with mandate	Unknown			Unknown	Unknown	IN	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown		LandAware contacts				
Europe	Norway	L	PM	Deep seated landslide	Geo-induced	RA	1 type	17 locations	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2014?	Unknown	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language				
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA, RS	2 types	Åknes	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2004	≥10y	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language		EU_2004A		
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA, RS	2 types	Mannen	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2009	≥10y	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language		EU_2009b_A		
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA	1 type	Indre Nordnes	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2014?	Unknown	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language				
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA	1 type	Jettan	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2014?	Unknown	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language				
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA	1 type	Gamanjunni 3	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2014?	Unknown	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language				
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA	1 type	Joasetbergi	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2014?	Unknown	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language				
Europe	Norway	L	O	Deep seated landslide	Geo-induced	RA	1 type	Hegguraksla	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Unknown		Fjellskredovervåking	2014?	Unknown	All	Dedicated wepage accessible to all	www.varsom.no	Unknown	Annual governmental funds	Fully	Wired dedicated/redundat	Unknown	Warnings through SOPs establis	NVE report 77/2016	Yes, grey technical literature in local language				
Europe	Norway	N	O	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DA, DF, S, SF	≥3 types	Norway	Norwegian Water Resources and Energy Directorate (NVE)	GN	National/local authority with mandate	Designed in collaboration with other institutions	NVE (MET, Road and Railway authorities)	Jordskredvarslingen	2013	5-10y	All	Dedicated wepage accessible to all	www.varsom.no	Quantitative	Annual governmental funds	Fully	Wired dedicated/redundat	Predicting snowmelt-induced landslide, verification of	Warnings through SOPs establis	Krøgli et al 2018, Devoli et al 2018, Devoli et al 2021	Yes, impacted international litterature	NOR #22		EU7	
Europe	Scotland	R	Po	Rainfall- and snow melt- induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Skotland	British Geological Survey (BGS)	GN	National/local authority with mandate	Unknown			2017	5-10y	NA	Unknown		Underway	Unknown	Unknown	Unknown	Unknown	Unknown	Guzzetti et al 2020	Yes, impacted international litterature	SCT #25			
Europe	Switzerland	L	O	Rainfall-induced landslides	Meteo (rain and/or snow)	DF	1 type	Illgraben /Susten	Canton of Valais - Cantonal Crisis Unit	GR	Unknown	Unknown			2000	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Badoux et al 2009	Yes, impacted international litterature		EU_2000b_A		20
Europe	Switzerland	L	O	Deep seated landslide	Geo-induced	RA, RS	2 types	Preonzo	Canton of Ticino - Department of Territory	GR	Unknown	Unknown			2010	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Loew et al 2012	Yes, impacted international litterature		EU_2010c_A		21
Europe	Switzerland	L	Unknown	Unknown	Unknown	DF	1 type	Guttannen	Unknown	Unknown	Unknown	Unknown			Unknown	Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Tobler et al 2012	Yes, impacted international litterature				22
Oceania	Australia	L	E	Rainfall-induced landslides	Meteo (rain and/or snow)	DA, DF, S	≥3 types	Wollongong	University of Wollongong	U	Research/academic extension service	Unknown			2005	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Flentje and Chowdhury 2005, Flentje and Chowdhury 2006	Yes, impacted international litterature		OC_2005_P		19
Oceania	New Zeland	L	O	Landslides at volcanoes	Geo-induced	La	1 type	Mt Ruapehu	Department of Conservation	GN?	Unknown	Unknown			2005	≥10y	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Keys and Green 2008, Massey et al 2010	Yes, impacted international litterature		OC_2000_A		
Worldwide	More than one country	G	O	Rainfall and earthquake triggered landslides	Meteo (rain and/or snow)	Unknown	Unknown	60°N-60°S	NASA	IA	International agency	Unknown		Landslide Hazard Assessment model for Situational Awareness (LHASA)	2007	≥10y	All	Unknown		Underway	Unknown	Unknown	Unknown	Unknown	Unknown	Hong and Adler 2007, Kirschbaum et al 2009, 2012, Kirschbaum and Stanley	Yes, impacted international litterature	GLB #26			