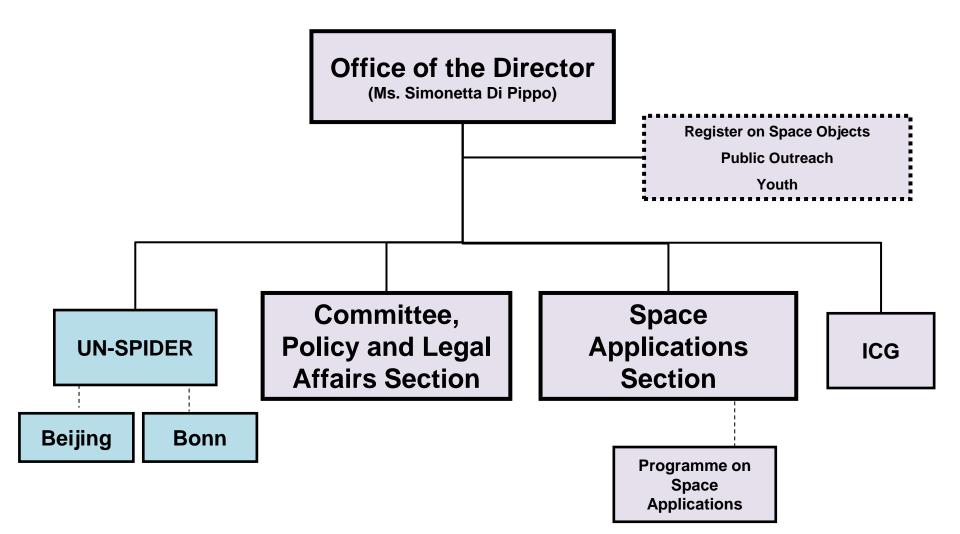


Generating data for the C-2Fo indicator of the Sendai Monitor Framework

A contribution from UN-SPIDER using the Global Wildfire Information System (GWIS)

United Nations Office for Outer Space Affairs
United Nations Office at Vienna
www.unoosa.org

UNOOSA



UN-SPIDER: Mission statement



"Ensure that all countries have access to and develop the capacity to use all types of space-based information to support the full disaster management cycle."

General Assembly Resolution 61/110 (2006)

The Sendai framework for DRR (2015 – 2030)



Support from space technologies

Priorities for Action:

- 1. Understanding disaster risk;
- 2. Strengthening [governance / institutional arrangements / organizational, legal and policy frameworks] to manage disaster risk;
- 3. Investing in disaster risk reduction for resilience;
- 4. Enhancing disaster preparedness for effective response, and to Build Back Better in recovery, rehabilitation and reconstruction.

GLOBAL TARGETS

The Sendai framework for DRR (2015 – 2030)

Seven global targets to reduce the risk of disasters and to avoid the increase in the level of existing risks.

The seven targets are assessed through a set of 38 indicators.

Reduce

Mortality/

global population

Affected people/

global population 2020-2030 Average << 2005-2015 Average

Economic loss/

global GDP

2030 Ratio << 2015 Ratio

& disruption of basic services 2030 Values << 2015 Values

Increase

& local DRR strategies
2020 Value >> 2015 Value

International cooperation

to developing countries 2030 Value >> 2015 Value

Availability and access
to multi-hazard early warning
systems & disaster risk
information and assessments
2030 Values >> 2015 Values

Generating data for indicator C-2Fo of the Sendai Monitor Framework

Target C of the SFDRR refers to economic losses related to the agricultural sector, productive assets, housing sector, critical infrastructure, and cultural heritage.

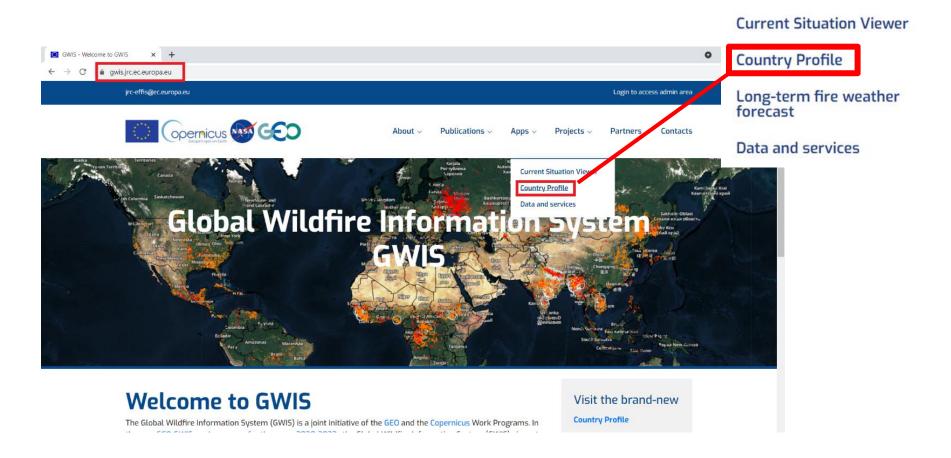
Indicator C-2 measures the impact of disasters on agricultural production and assets. C-2 is the sum of five sub-indicators.

Sub-indicator C-2Fo measures loss in forests damaged or destroyed by disasters such as forest fires.

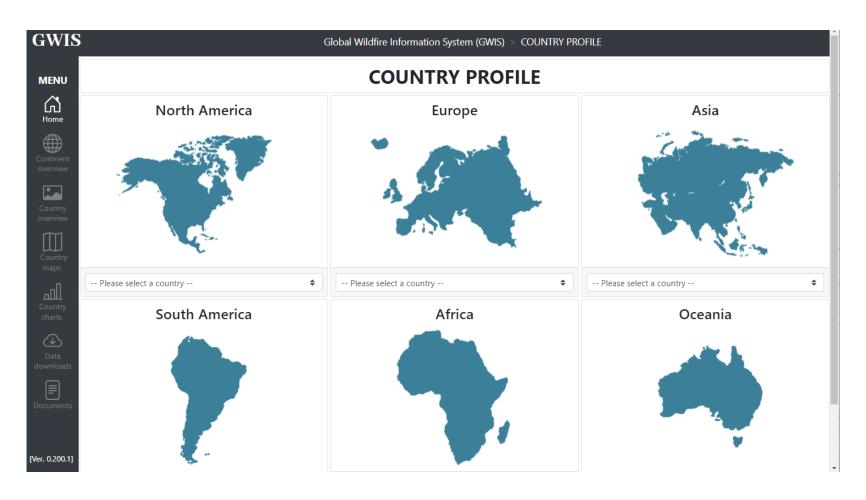
A physical damage indicator representing the number of hectares of forests damaged/destroyed by disasters (disagregated by hazard) will be accepted in lieu of the corresponding estimated economic loss.

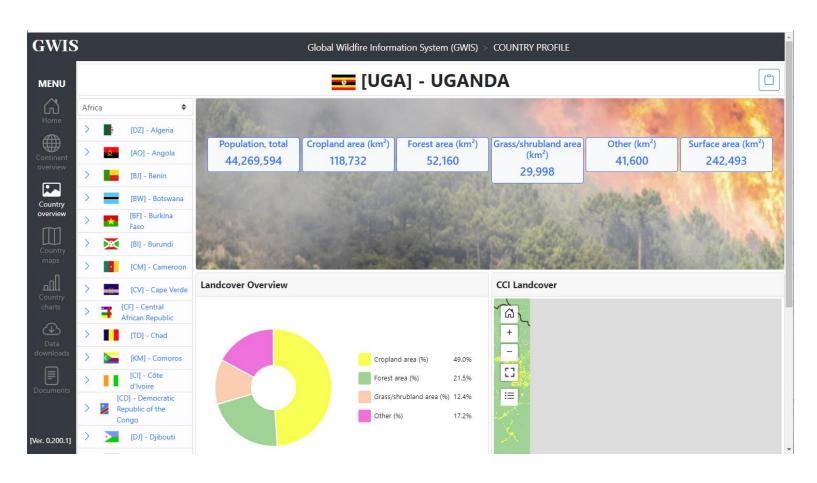


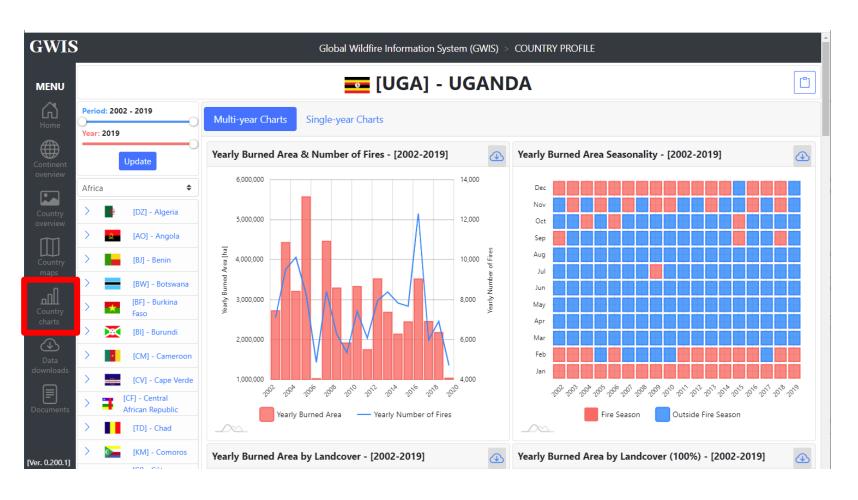
Generating data for indicator C-2Fo of the Sendai Monitor Framework using GWIS

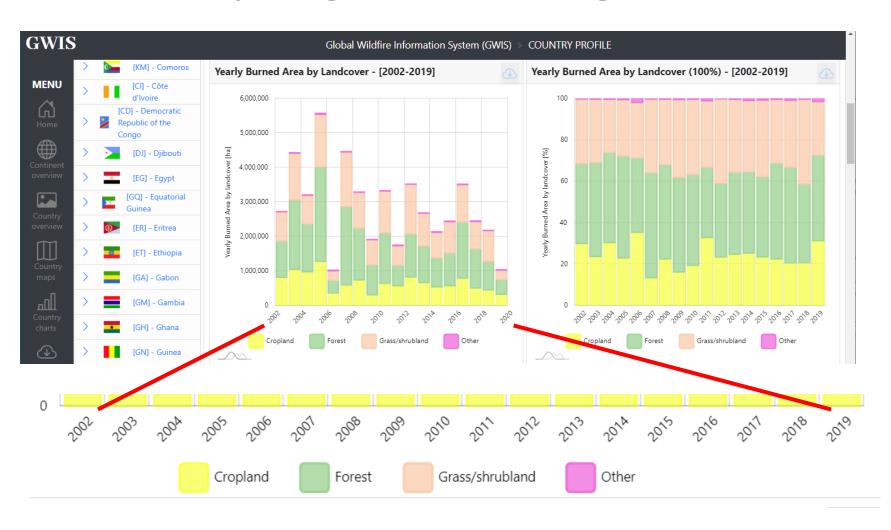


Acquiring the data from the Country Profiles



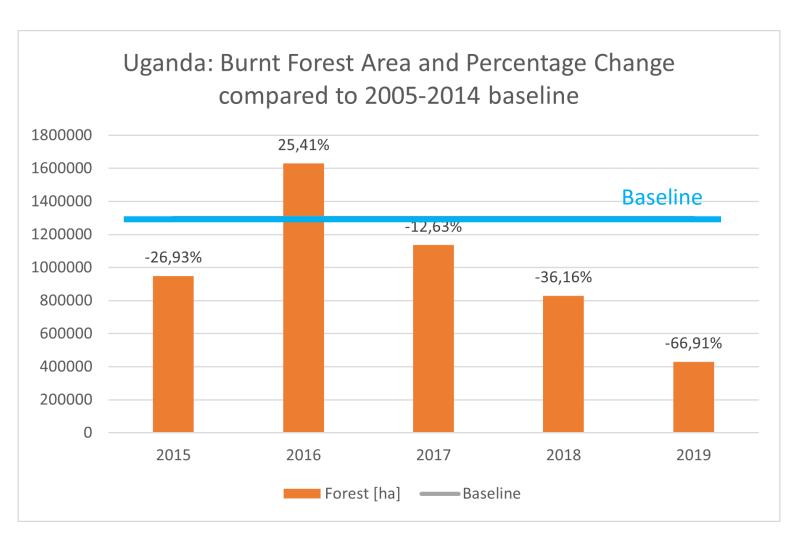




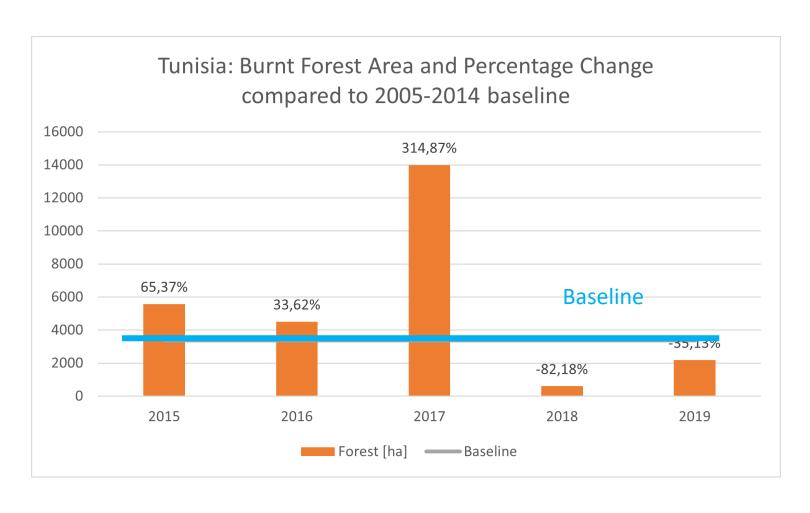


Year	Cropland [ha]	Forest [ha]	Grass/ shrubland [ha]	Wetlands [ha]	Settlement [ha]	Other [ha]
2002	815762	1052104	848906	6522	21	0
2003	1048087	2015209	1352644	14549	171	0
2004	974437	1398239	822951	12102	384	0
2005	1279512	2747798	1516043	29402	128	0
2006	362274	368605	274307	19700	106	0
2007	597346	2271104	1582780	10878	85	0
2008	739430	1505395	1036345	10835	106	0
2009	309789	877624	719166	9589	191	0
2010	644851	1464738	1209253	10964	211	21
2011	574314	596981	559267	18883	233	0
2012	826108	1255276	1435460	4610	364	0
2013	665244	1064508	944429	10342	171	0
2014	541085	840898	736723	20474	384	0
2015	574164	949387	906026	16803	276	0
2016	790238	1629404	1083655	14528	213	0
2017	505472	1135218	793265	19680	234	0
2018	450090	829521	891771	6027	212	0
2019	324323	429871	268252	14334	127	0

Baseline



Acquiring the data for Tunisia

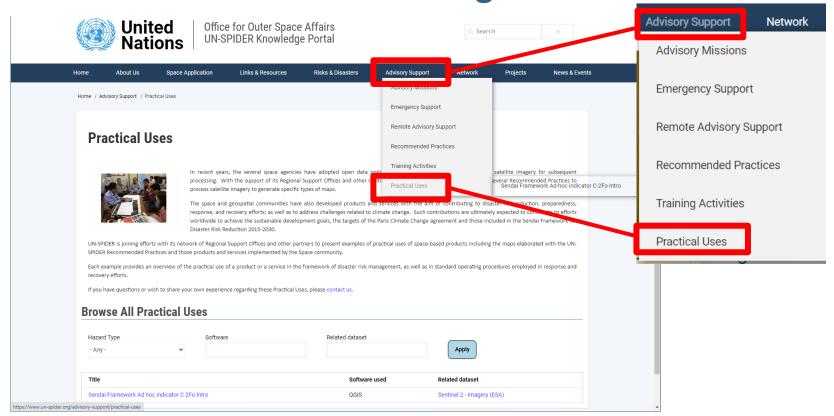


The procedure is available in the UN-SPIDER Knowledge Portal



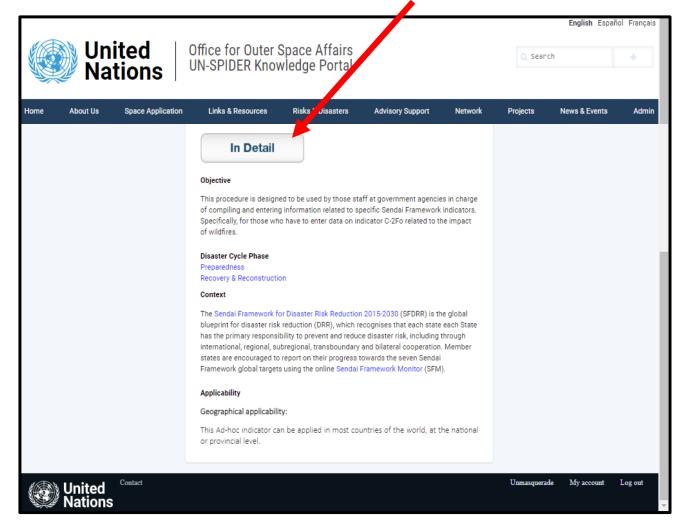
https://un-spider.org/advisory-support/practical-uses/Sendai-Framework-Ad-hoc-indicator-C-2Fo-Intro

The procedure is available in the UN-SPIDER Knowledge Portal



https://un-spider.org/advisory-support/practical-uses/Sendai-Framework-Ad-hoc-indicator-C-2Fo-Intro

For details, click here



How are we framing this contribution?

As a contribution to the:

Global partnership on Space Technology Applications for Risk Reduction (GP-STAR)

A voluntary commitment to:

- Continue facilitating the dialogue among stakeholders.
- Serve as a collective source and repository of information.
- Generate policy-relevant advice.
- Facilitate the use of EO and related satellite-based technology.



Global partnership – Space Technology Applications for Risk **Reduction (GP-STAR)**



UN-SPIDER

















Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center





























opernicus .



THANK YOU

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