

**GFMC Tool 1 – Global Wildland Fire Information System**

**Brief description of the tool:** Wildland fires burn several hundred million hectares of vegetation every year, and increased fire activity has been reported globally. These fires have had serious negative impacts on human safety, health, regional economies, global climate change, and ecosystems in non-fire-prone biomes. The Global Fire Monitoring Center (GFMC) has been created – among other reasons – as a repository and portal for wildland fire documentation, information and monitoring and is publicly accessible through the Internet. The regularly updated national-to-global wildland fire products of the GFMC are generated by a worldwide network of cooperating institutions and individuals. Working at the interface between the science community and the user community, the research and development work of the GFMC is targeted at providing capacity building and delivering problem-oriented products and solutions. The GFMC is also serving in policy advising, formulation and high-level political activities. The GFMC is the largest global environmental online repository and as of early 2016 offers 160,000 web pages and / or documents.

**Target audience:** Decision makers in all countries and international organizations.

**Which category does the tool falls in? (can choose more than one):**

- Collection and use of information on climate change
- Risk and vulnerability assessment
- Research, models and mapping
- Socio-economic and livelihood assessment
- Project planning
- Project monitoring and evaluation
- Economic evaluations
- Capacity building and Education
- Policy and decision-making
- Participatory approach
- Gender inclusiveness
- Other: Wildfire emergency preparedness and response

**Links/website:** Global Fire Monitoring Center (GFMC) website: <http://www.fire.uni-freiburg.de/>

GFMC White Paper to the UN “Vegetation Fires and Global Change. Challenges for Concerted International Action”: <http://www.fire.uni-freiburg.de/latestnews/Vegetation-Fires-Global-Change-UN-White-Paper-GFMC-2013.pdf>

GFMC Search Engine:

[https://cse.google.com/cse/home?cx=015787852236524149093:nzaoecw\\_vpa](https://cse.google.com/cse/home?cx=015787852236524149093:nzaoecw_vpa)

**At which scale can this tool be applied?**

- Global
- National
- Regional
- Local/Community level

**Level of effort from 1-5 needed to use the tool (1=least demanding and 5=very demanding)**

1       2       3       4       5

**Is the tool open-source or do fee apply?** Open source, no fees

**Key contact:** GFMC operations [fire@fire.uni-freiburg.de](mailto:fire@fire.uni-freiburg.de)