

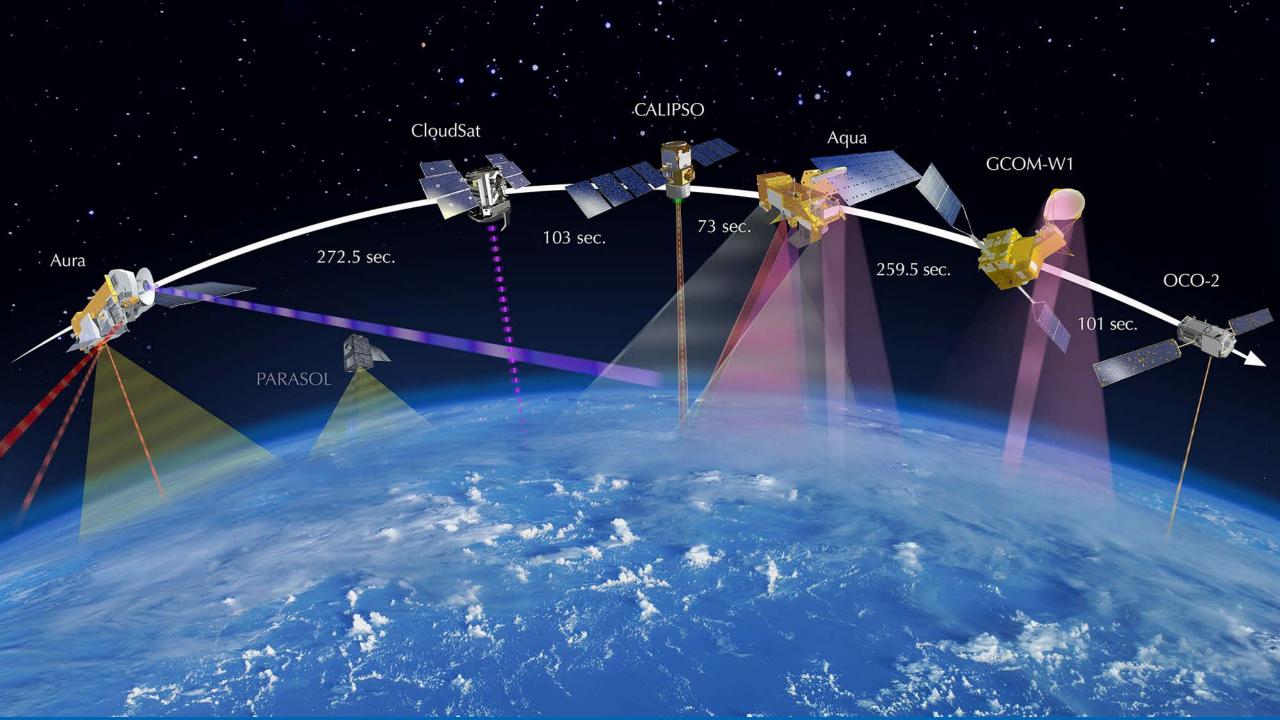




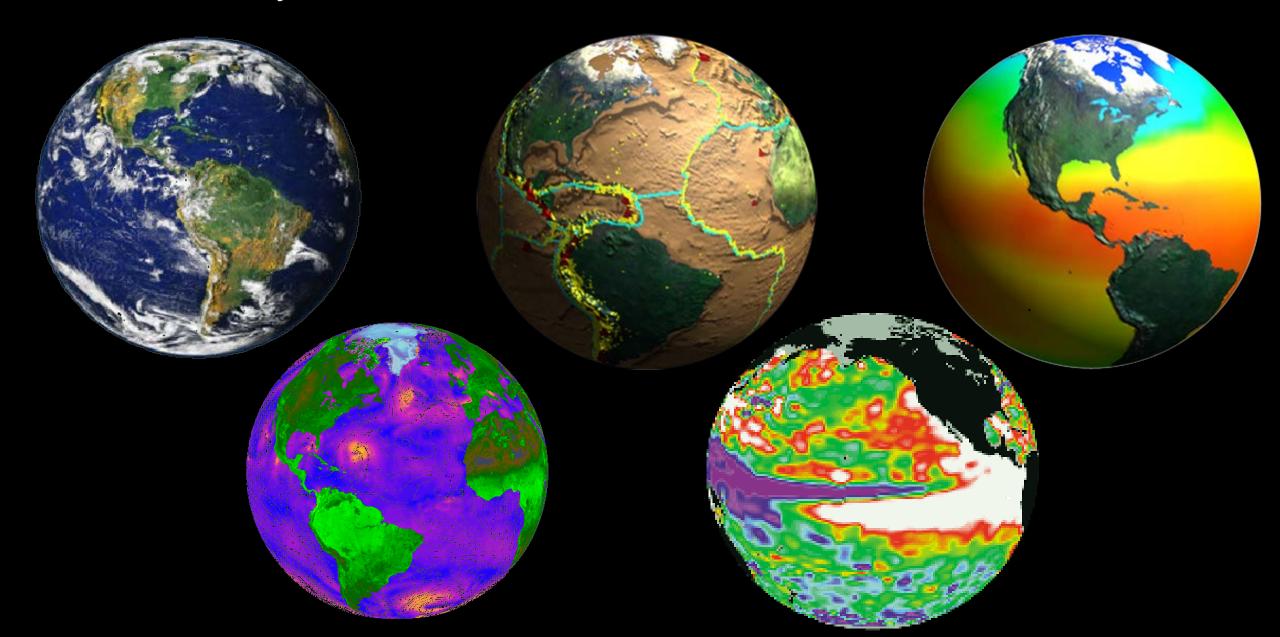
HUMANITY'S RETURN TO THE MOON

NASA plans to put the first Woman on the Moon in 2024





Earth as a System



'We have landed on the Moon, we now must understand the Earth'

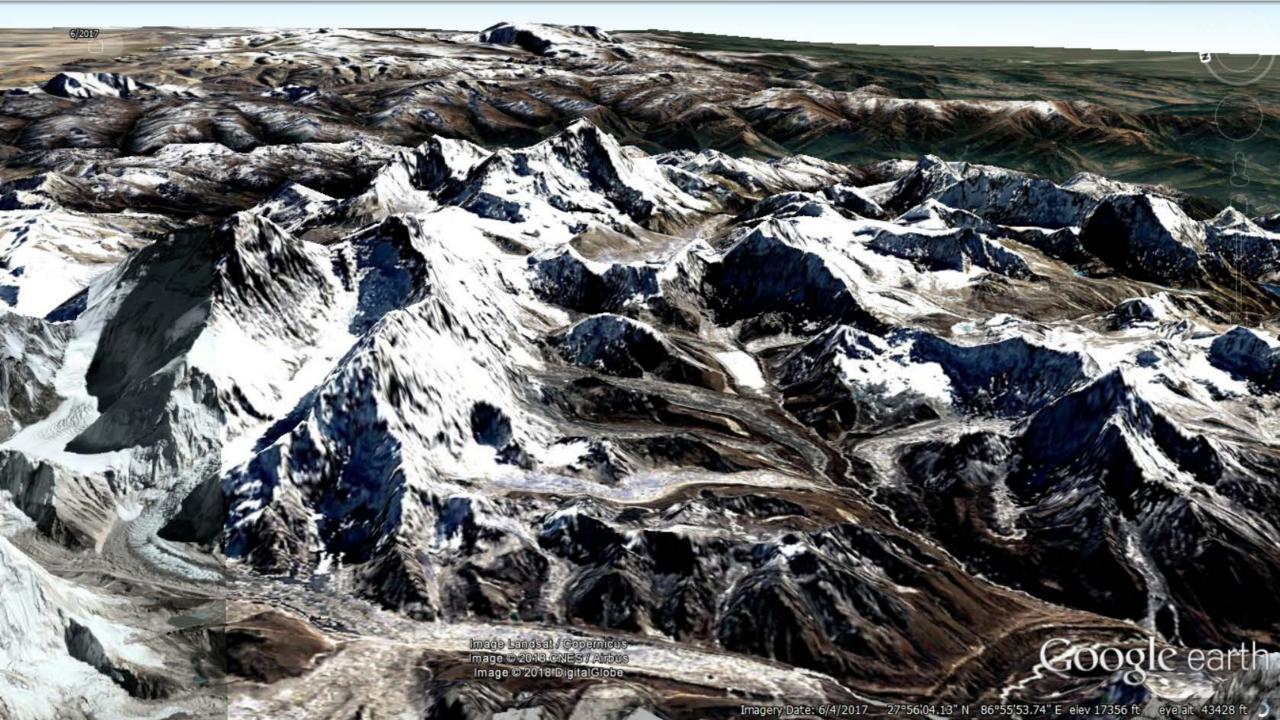
Al Gore, 1998

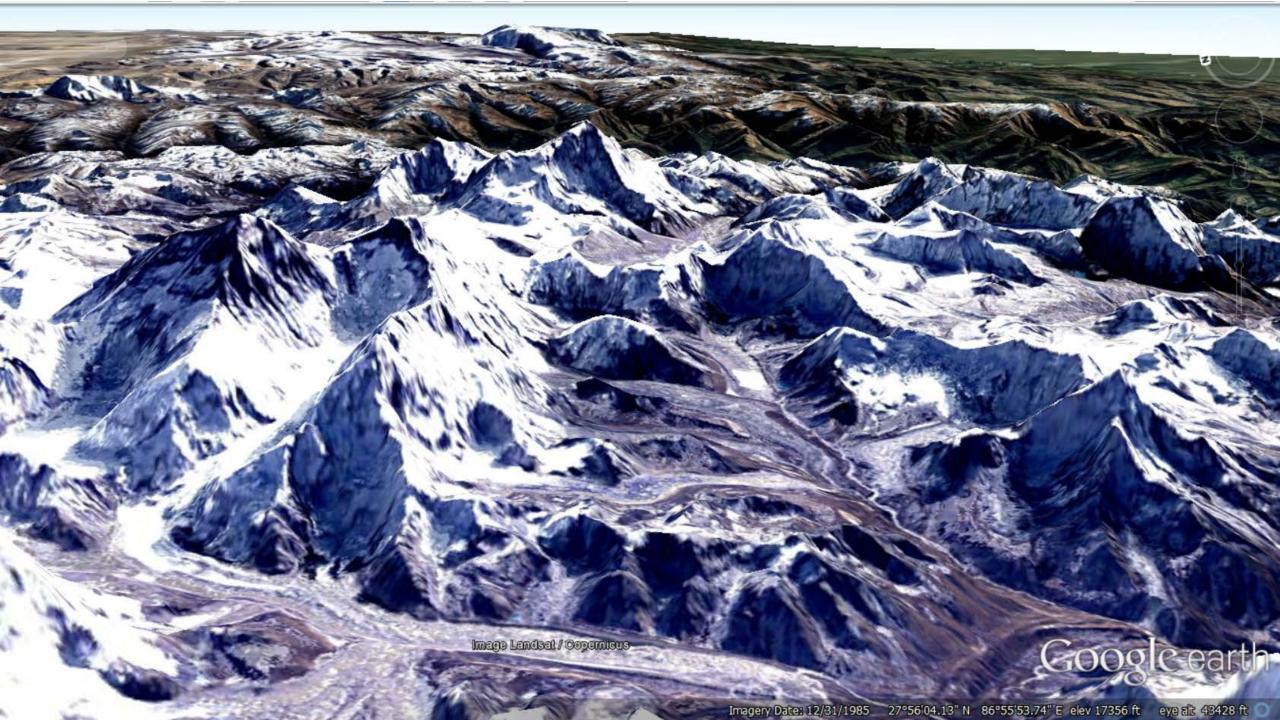
Arctic sea ice - 1979



Arctic sea ice - 2015











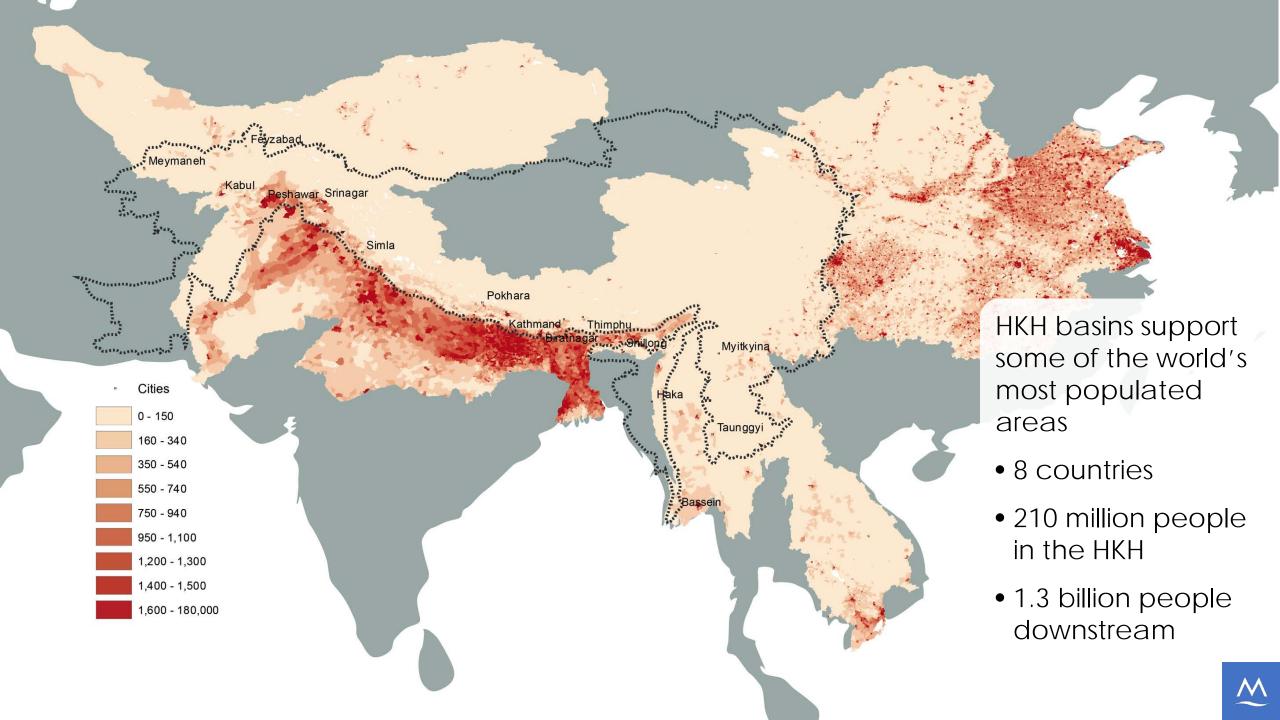
- connects space to village by helping developing countries use satellite data to address critical challenges
- develops innovative solutions to improve livelihoods and foster self-reliance in Asia, Africa, and the Americas.



International Centre for Integrated Mountain Development (ICIMOD)

A regional mountain knowledge, learning, and enabling centre devoted to sustainable mountain development for mountains and people





SERVIR Priority areas



Improve access to data, tools, model and online mapping and visualization

Strengthen capacity of regional stakeholders

Create user-tailored decision support tools and information services

Foster regional cooperation and build international partnerships

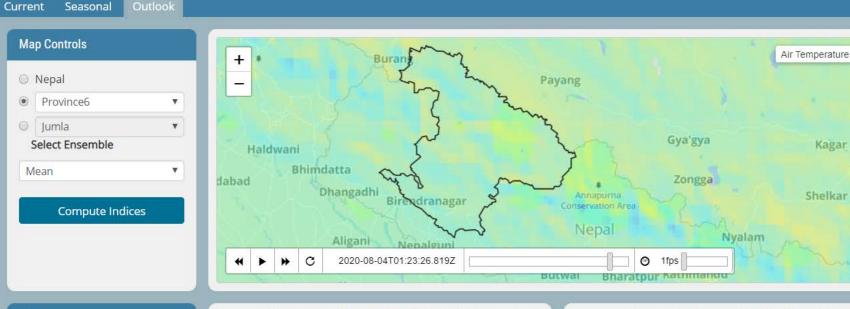


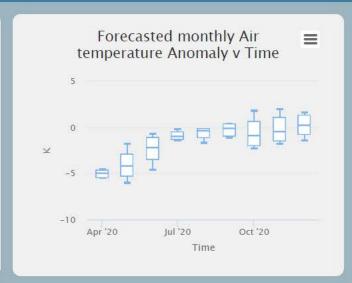
Drought monitoring and early warning



National agricultural drought watch - Nepal

ICIMOD

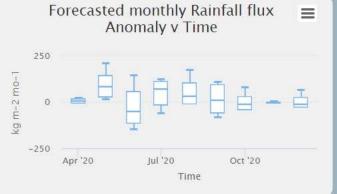


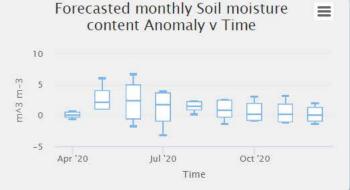


ICIMOD is developing an integrated information platform linking weather and climate data with agriculture practices in the region. The platform provides data analysis support to professionals responsible for developing agro-met advisories for government agencies and ... View More ...

About

Start





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Improving flood early warning



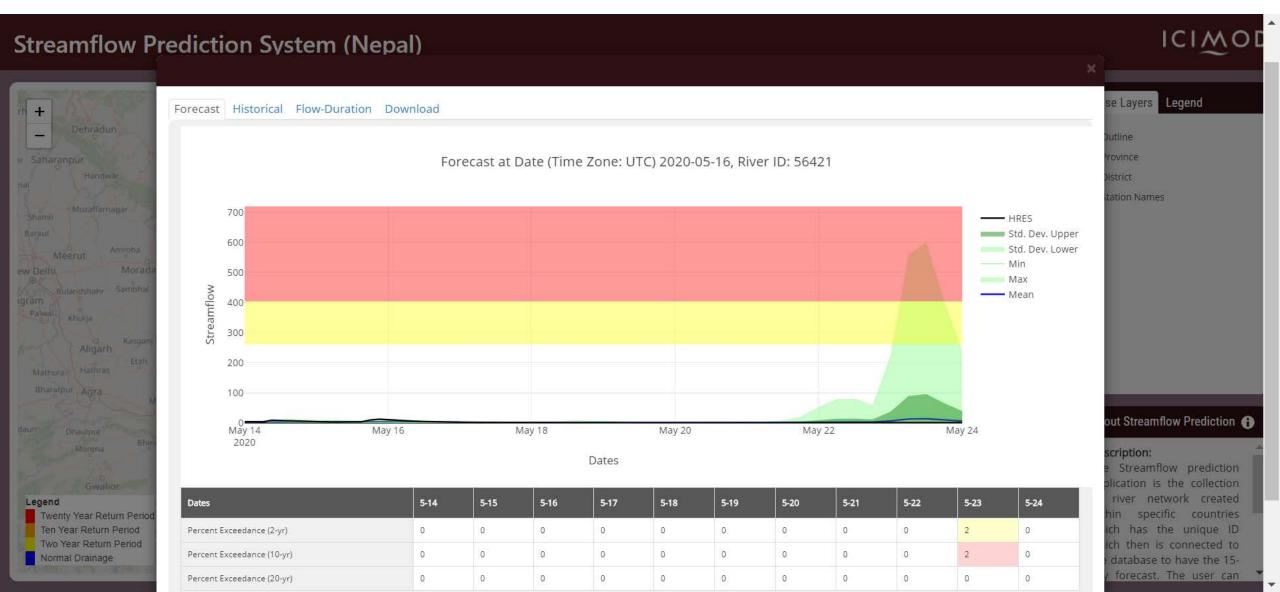
Streamflow Prediction System (HIWAT-NEPAL)

ICIMOD



Improving flood forecasting and early warning

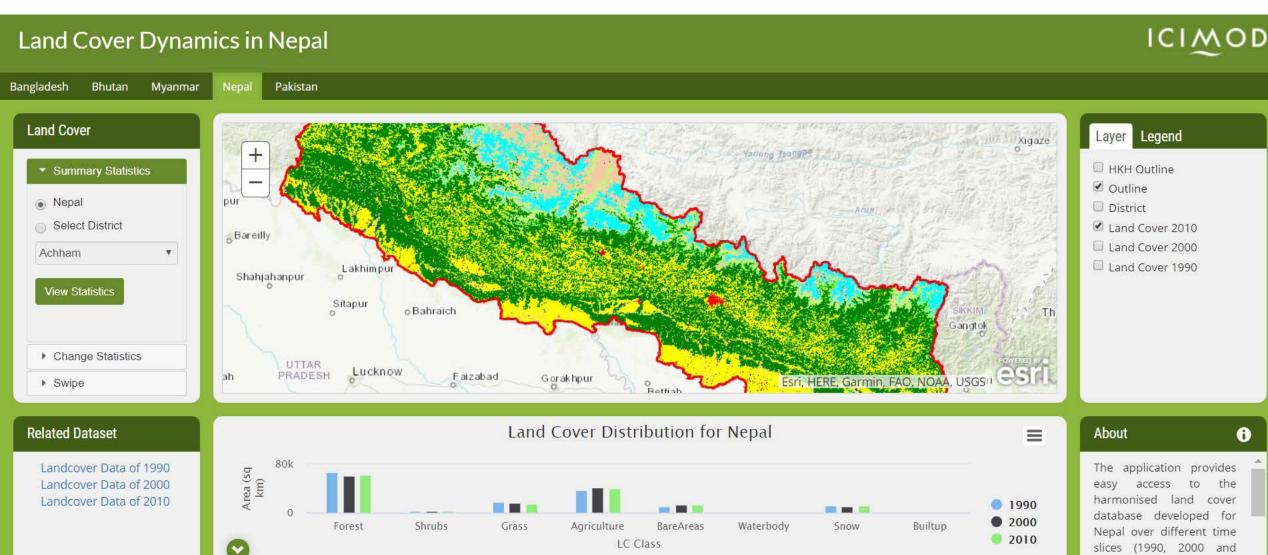




Land cover monitoring

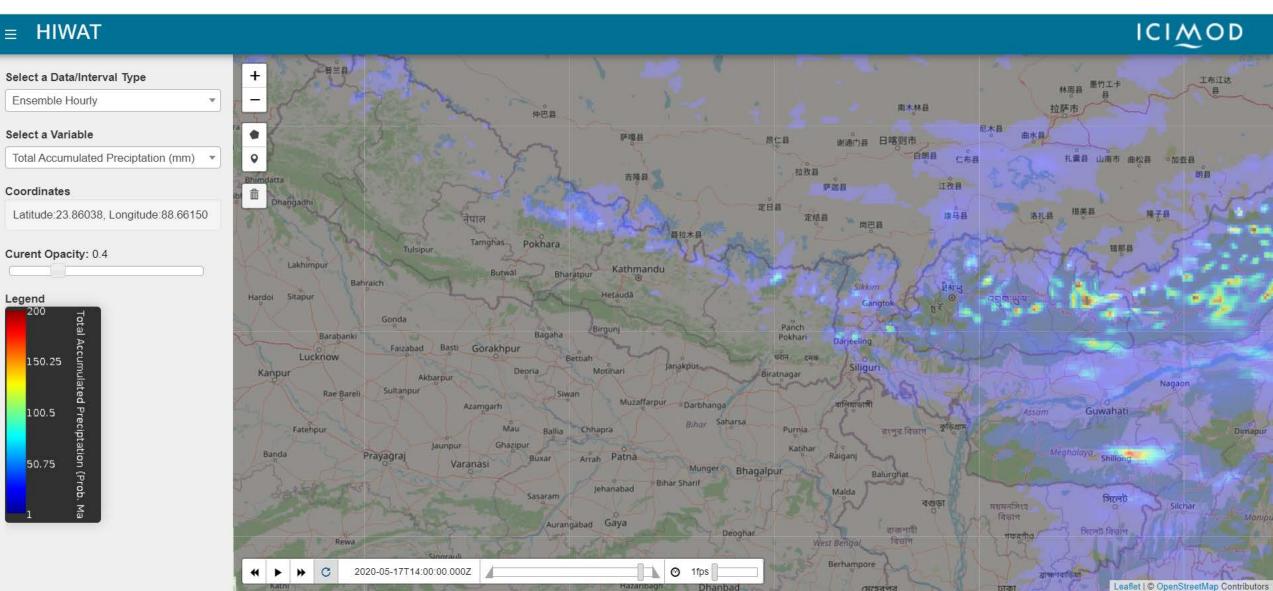


2010) and provides.. user -



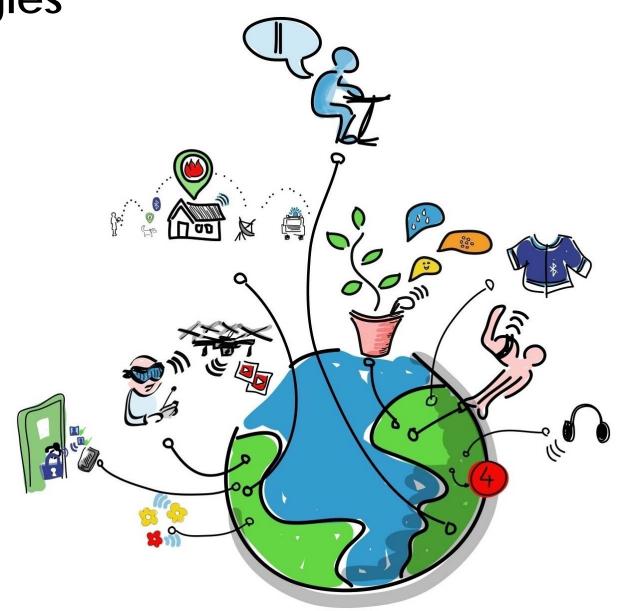
High Impact Weather Assessment Tool (HIWAT)

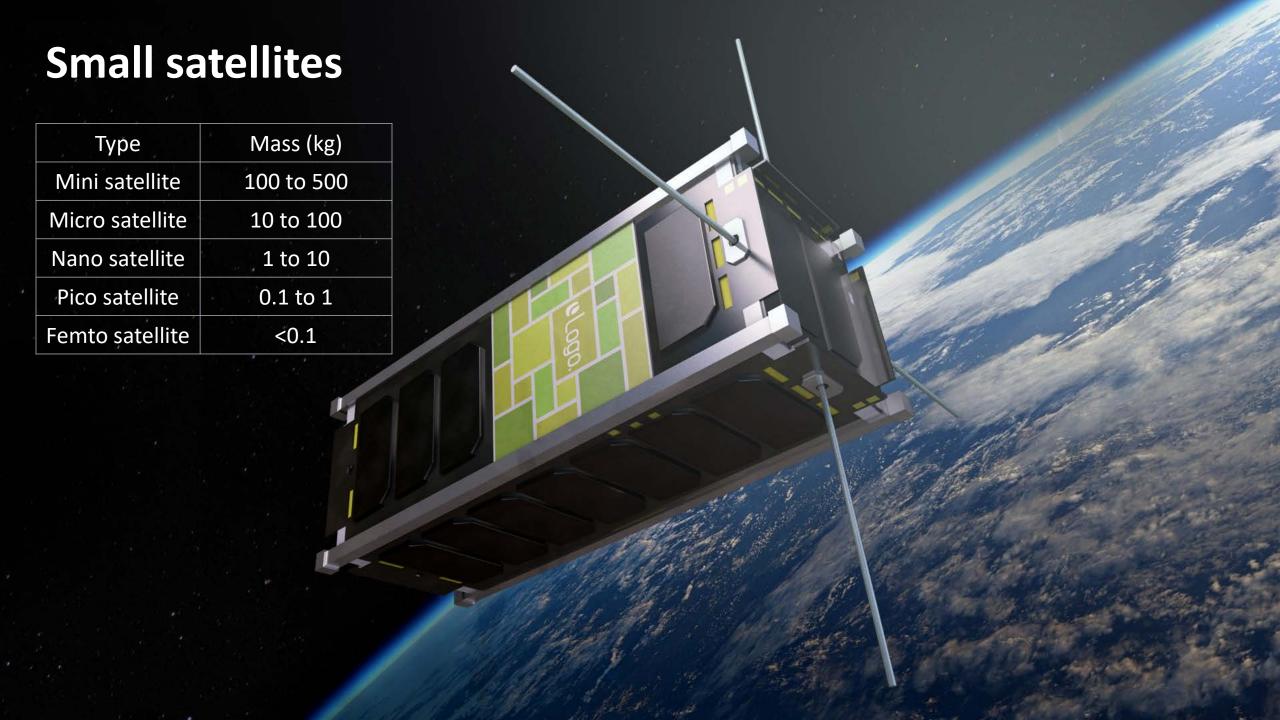




Convergence of Technologies

- Big data
- Cloud computing
- Artificial Intelligence
- Internet of Things







Capacity building

- Structured Training
- On the Job Training
- Training of Trainers
- Policy dialogs

Encouraging women in the field of GIT







Dorothy Johnson Vaughan (September 20, 1910 – November 10, 2008) was an African American mathematician and human computer who worked for the National Advisory Committee for Aeronautics (NACA), and NASA, at Langley Research Center in Hampton, Virginia. (Wikipedia)



