Shusen Wang

Alexander Trichtchenko

Yi Luo

Canada Centre for Remote Sensing

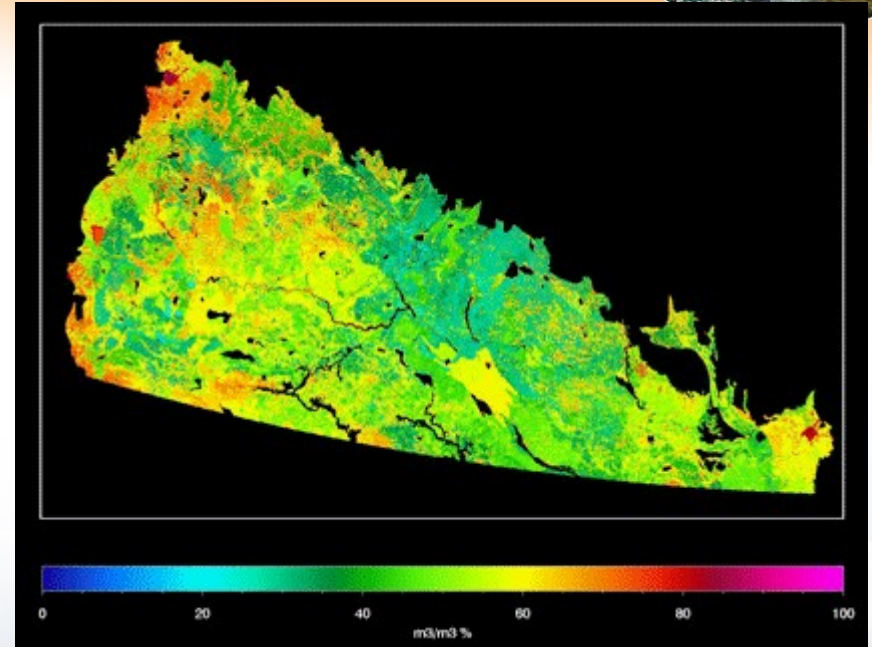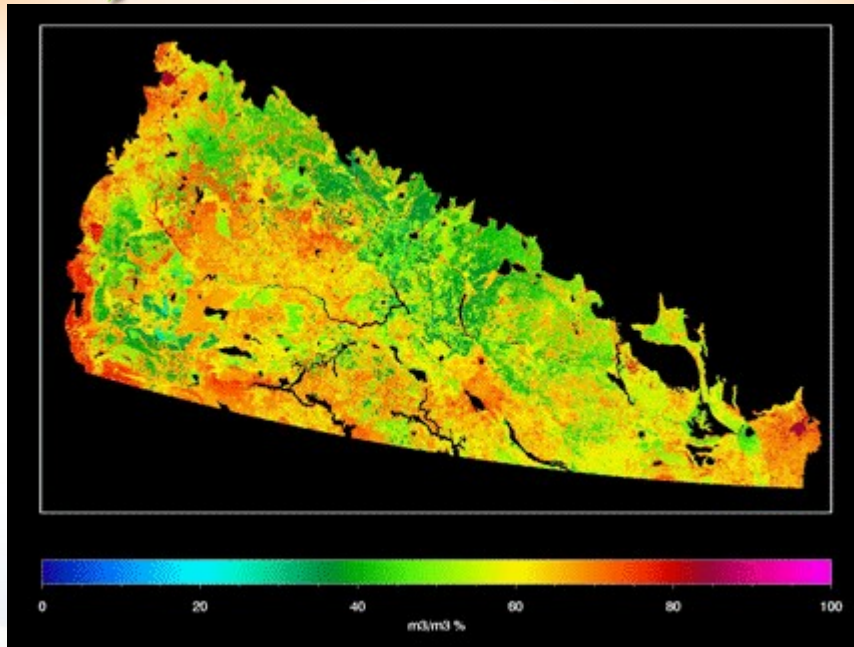CANADA'S **NATURAL RESOURCES**
NOW AND FOR THE **FUTURE**
nrcan.gc.ca

Natural Resources
Canada

Ressources naturelles
Canada

Canada

Soil moisture from EALCO model

Soil water content (represented as V_{H2O}/porosity) in July. Left is 1960-2000 average. Right is year 1988.

Data represent soil depth of 10-40cm where 30% of plant roots were initialized in this simulation. The model switches for irrigation and groundwater uplift were turned off so there were no irrigation and groundwater support (for ET/plant use) in this simulation.

Soil texture/porosity data from AAFC were used in this simulation.

10km climate data from AAFC were used together with CWEEDS station data (provide 30-minute temporal variations).

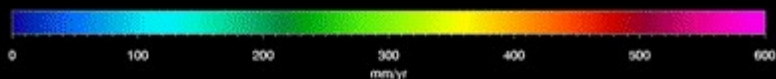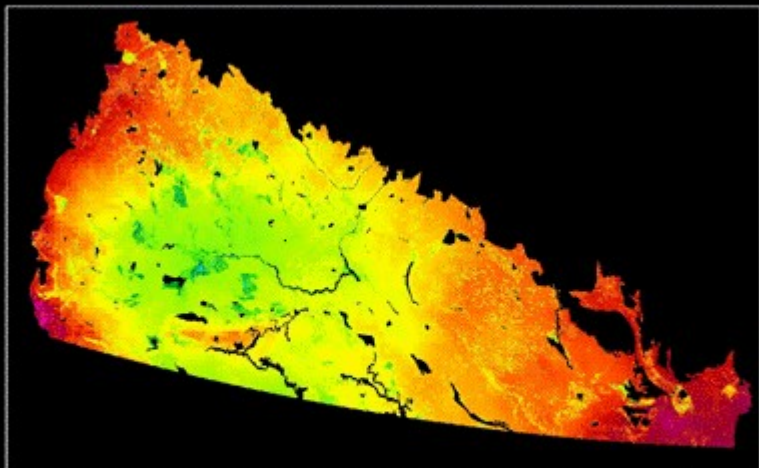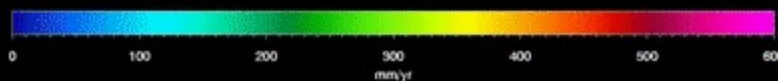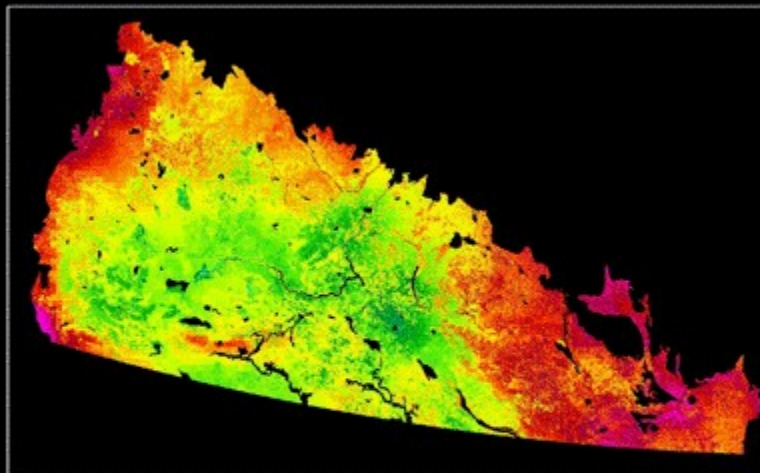Vegetation cover of 2000 was used for the 41 years simulation.
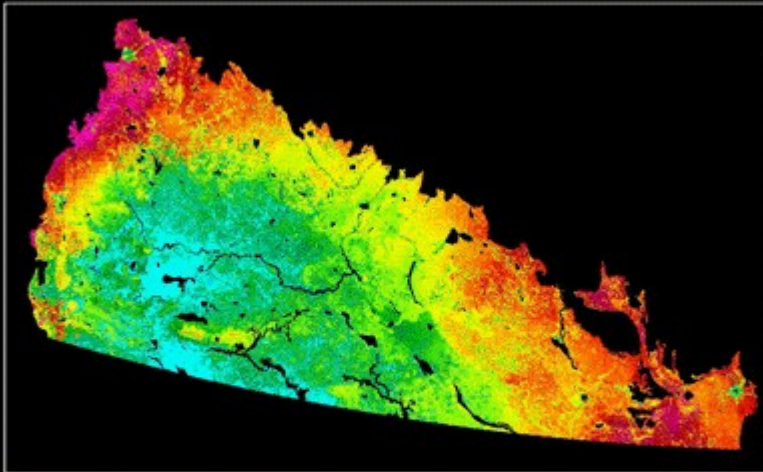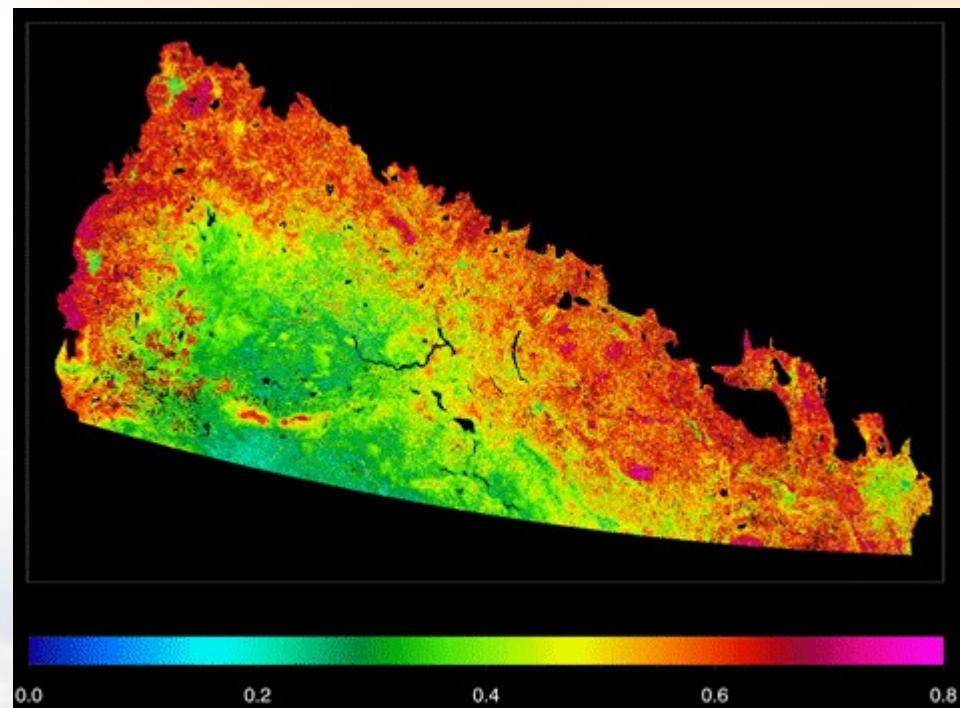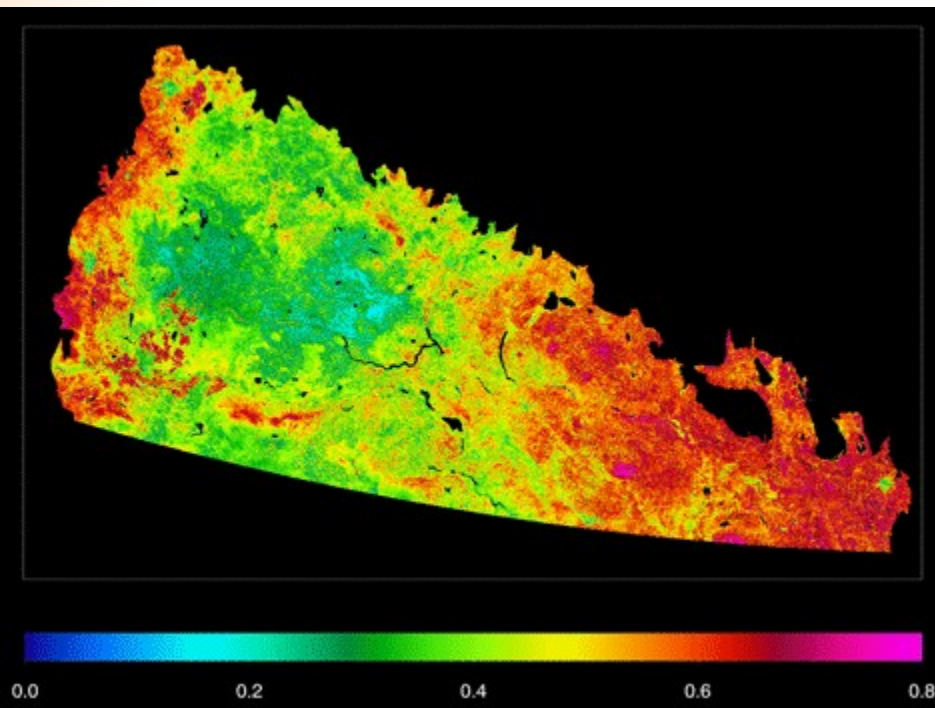
Natural Resources Canada   Ressources naturelles Canada

Canada

Evapotranspiration

NPP
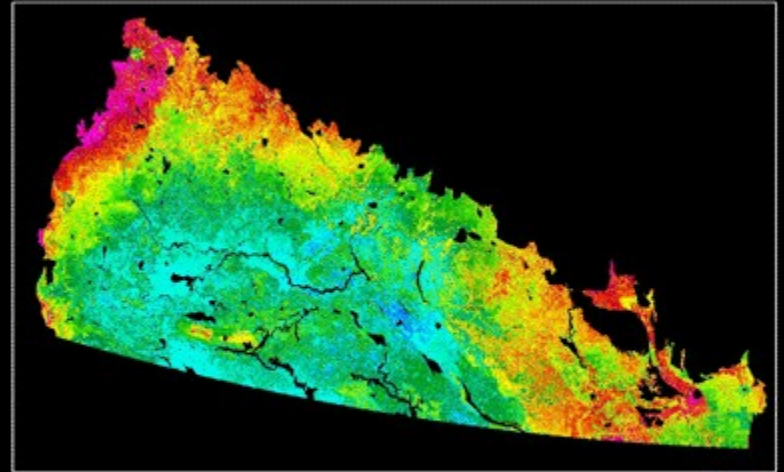
NDVI

Left 2002, right 2006
Resolution 250m