



# Critical feedbacks in and from the Amazon

Period: 2011-2014 | Budget € 4,700,000

Raising the alert about critical feedback between climate, society, change in land use and vegetation, water availability and policies in Amazonia

The EU-FP7 project AMAZALERT (2011-2014) aimed at raising the alert about critical feedback between climate, society, land-use change, vegetation change, water availability and policies in Amazonia.

This project:

- 1 analyzed and improved coupled models of global climate and Amazon, land use, vegetation and socio-economic drivers to quantify anthropogenic and climate-induced land use and land cover change and non-linear, irreversible feedbacks among these components
- 2 assessed the role of regional and global policies and societal responses in the Amazon region for altering the trajectory of land-use change in the face of climate change and other anthropogenic factors
- 3 proposed i) design of an Early Warning System for detecting any imminent irreversible loss of Amazon ecosystem services, ii) policy response priorities to prevent such loss.

AMAZALERT integrated the multidisciplinary knowledge and research of world-renowned, highly influential climate, land cover, land use change scientists and also policy analysts from 14 European and South-American institutions that have been collaborating for 10 to 30 years. This project therefore achieved impact on EU (2020 climate goals), international and South-American strategies.

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**More information:**

[www.eu-amazalert.org](http://www.eu-amazalert.org)

**Contact:**

Bart Kruijt | [bart.kruijt@wur.nl](mailto:bart.kruijt@wur.nl)

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