

Paleoenvironmental reconstruction studies in the western and eastern Amazonia

Luiza Santos Reis

Institute of Geoscience, University of São Paulo, Brazil

luiza_sreis@usp.br

Ongoing Projects

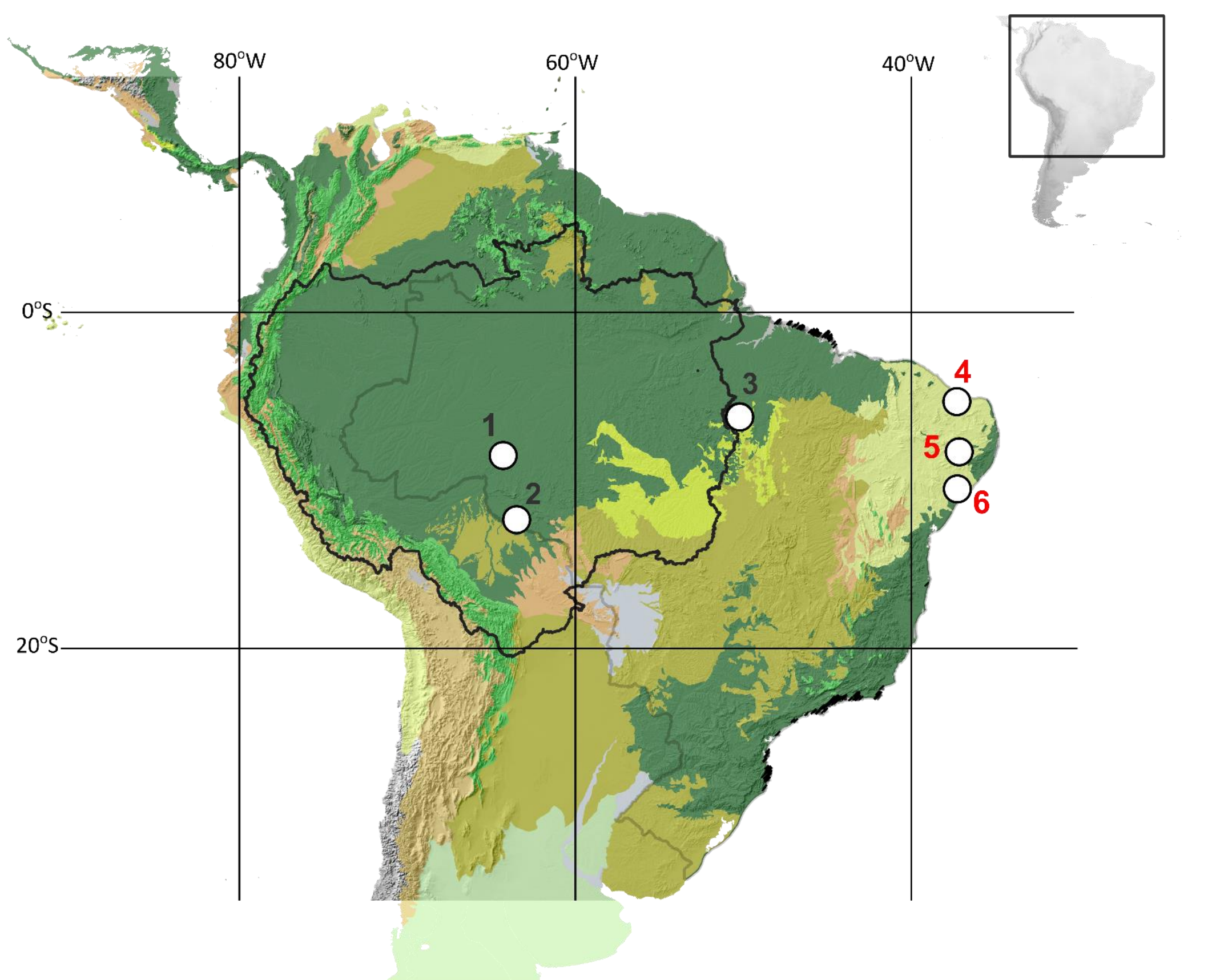
I- Indigenous Populations and Environment in Ancient Amazonia: a paleoenvironmental approach (Grant 2020/16412-0);

II- Paleoenvironmental records of guano deposits in iron caves in the Carajás National Forest (TCCE N° 01/2018 – ICMBio).

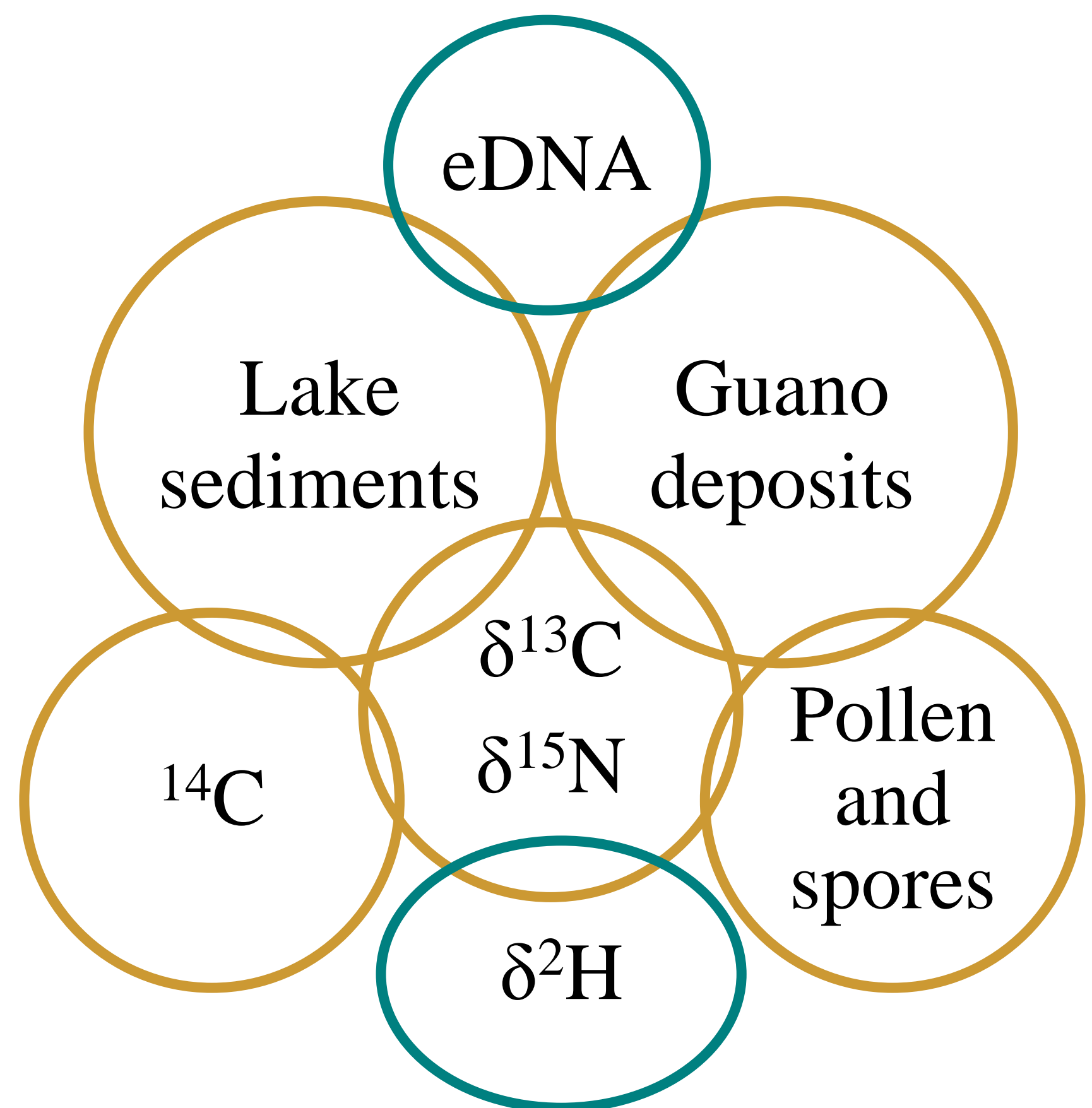
Major current and planned research topics

- A- Paleovegetation;
- B- Paleoecology;
- C- Paleoenvironment;
- D- Human-environment relationship in the past;
- E- Guano deposits;
- F- Bat-plant interactions.

Study sites



Material and methods



Motivations and questions

- 1- Test important hypotheses concerning human occupation in Ancient Amazonia, such as food-plant manipulation;
- 2- To evaluate the factors that may have positively or negatively influenced the ecological interaction between bat colonies and vegetation;
- 3- What were the effects of past environmental and vegetation changes on bat-plant interactions?

Figure 1: Location of the study sites from ongoing and future projects.