



# 42nd International Sea Turtle Symposium

## Workshop Proposal for ISTS42

**Title of Proposed Workshop:**

Temperature-dependent sex determination

**Name of Corresponding Organiser:** Marc Girondot

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**Names of All Organisers:**

Marc Girondot

**Preferred Date for the Workshop:** Monday 25th March 2024

**Suggested Duration of Workshop:** Full Day (8 hours)

**Description and Justification of the Workshop:**

Seventh TSD workshop at ISTS

After the success of the six previous TSD workshops (New Orleans, Dalaman, Lima, Las Vegas, Kobe, Charleston), the seventh TSD workshop will be organized during ISTS in Pattaya, Thailand.

Temperature-dependent sex determination in reptiles was discovered more than 40 years ago, first in a lizard, then in a tortoise and a freshwater turtle and later in all marine turtles.

TSD research is particularly active at different level of organization (biochemical, molecular biology, ecology and evolution) and many progresses have been done in recent years.

This workshop will be a mix of presentations about the recent developments about TSD and best practices when analyzing sex ratio and temperatures in the context of evolutionary biology and conservation. The first half of the workshop will be dedicated to an historical review of TSD, analyses of the most recent papers published since the last TSP workshop and presentation of new data. The second part of the workshop will be dedicated to practical exercises about TSD, climate temperature analysis and sex ratios analysis: bring your computer with R and



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Rstudio installed and your own field temperature data if you have!

If you will present a poster or a talk dealing about TSD at plenary session, please contact Marc Girondot at [marc.girondot@universite-paris-saclay.fr](mailto:marc.girondot@universite-paris-saclay.fr).

## **Expected Outcomes of the Workshop:**

The participants will return with an update of TSD research and TSD as part of conservation of marine turtles. They will be also able to analyze their own data after the practical session.