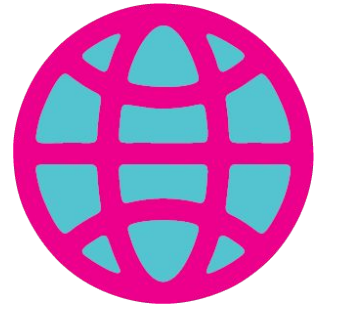


# Connecting the next generation to build coastal resilience

20<sup>th</sup> Commemoration of the 2004 Indian Ocean Tsunami



# A Talk with teachers: Index



vi

Our topics today:

- ◆ Project walkthrough
- ◆ Times and dates
- ◆ The Conversation with Space
- ◆ (Optional) Preparation in the classroom. Relevant support materials.
- ◆ What we need from you
- ◆ Questions & Answers

**This talk will be recorded and shared by email!**

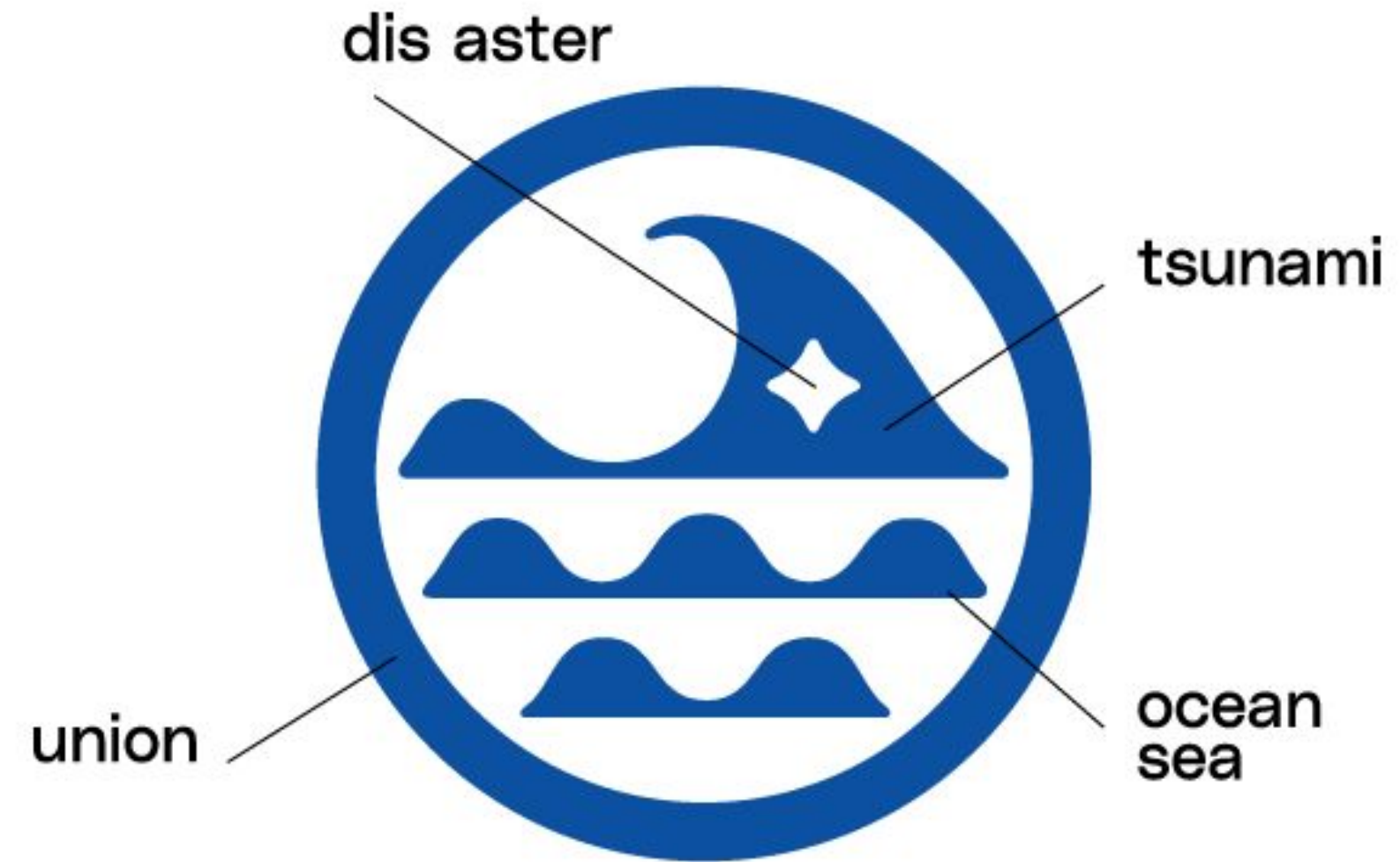


# A Collective Narrative!



**TSUNAMI  
UNITED**

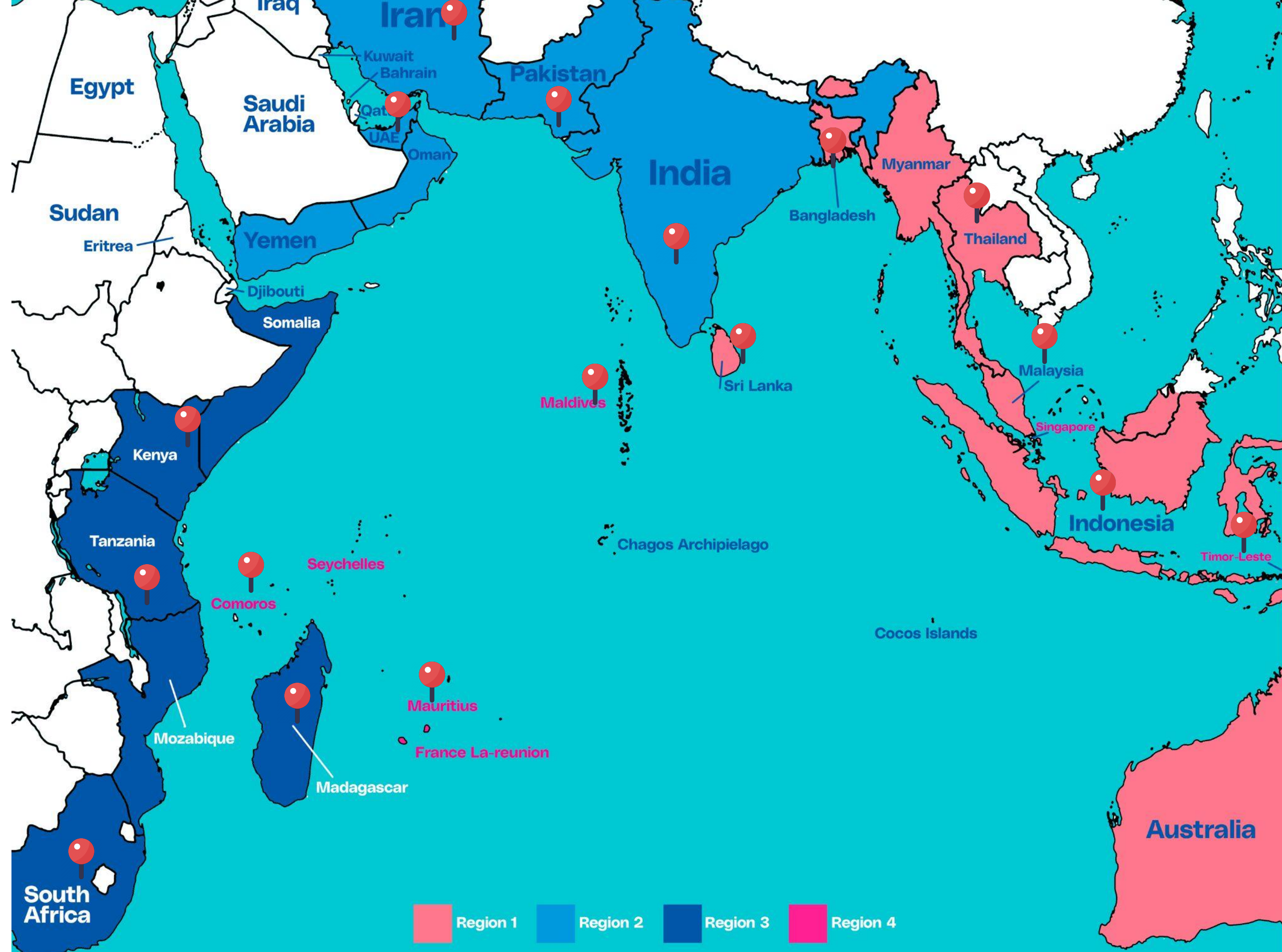
# The Identity



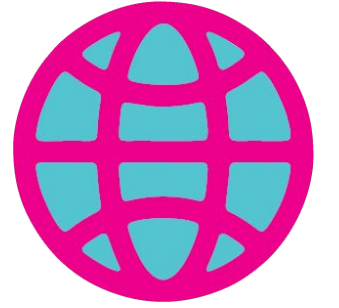


# A Regional Team!

How far as  
we from  
each other?



# The Learning Experience



vi

- ◆ We are inspiring the next generation of disaster risk managers.
- ◆ Connecting regions, countries and cultures.
- ◆ Making them protagonists with storytelling tools.
- ◆ Fun and interactive, to get to know each other.
- ◆ A learn by doing with hands-on, participatory.



# The Learning Experience

## Learning

Series of Zoom sessions to trigger a meaningful conversation among high school students on Tsunami Topics

## Coaching

Series of Zoom Learning sessions on creative and innovative communication skills and techniques

## Telling Stories

Participate in a competition to develop creative and innovative tsunami awareness, preparedness, and education campaign

## Showcasing

Showcase the result of the unique and creative campaign at the 2024 International Symposium in of commemoration 20 years IOT



# The Project Walkthrough



## Teachers

Familiarization

ClassRoom  
Integration

Q&A

Recording

## Session #1

Why Tsunami United

Tsunami Memories

About the region

About the sea

The future you

## Session #2

DRM Stories

The creative spark

Emotions + stories

The future

## Session #3

Satellite stories

ISS, Science and  
the Indian Ocean

Creativity &  
Inspiration

We are all  
storytellers

## ISS Contact

Live conversation  
with an astronaut in  
the ISS

Our region form  
space

Preparation in  
classroom

## Session #4

Becoming  
Storytellers or  
Scientists

Competition

Visibilization



# About Our Sea

vi

Which words do you  
use to refer to  
the Ocean or the sea?

Ocean সাগর Bahari Lamer Bahari

সমুদ্র Laut دریا Ranomasina

Laut Lanmer Oceano ម្រែក سمندر

Laut Badda ឥម្រ្មឆ្នុង ทะเล

Lanmer بحر Sea Bahari Tasi بحر





# The future you

vi

Do you want to be  
a scientist?

Or an artist?

What are your  
dreams?







The 20<sup>th</sup> Commemoration of the **2004 Indian Ocean Tsunami**

**What does memory mean to you?**

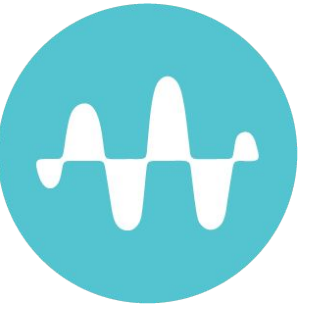


The 20<sup>th</sup> Commemoration of the **2004 Indian Ocean Tsunami**

What does the 2004 Indian  
Ocean Tsunami mean to you?

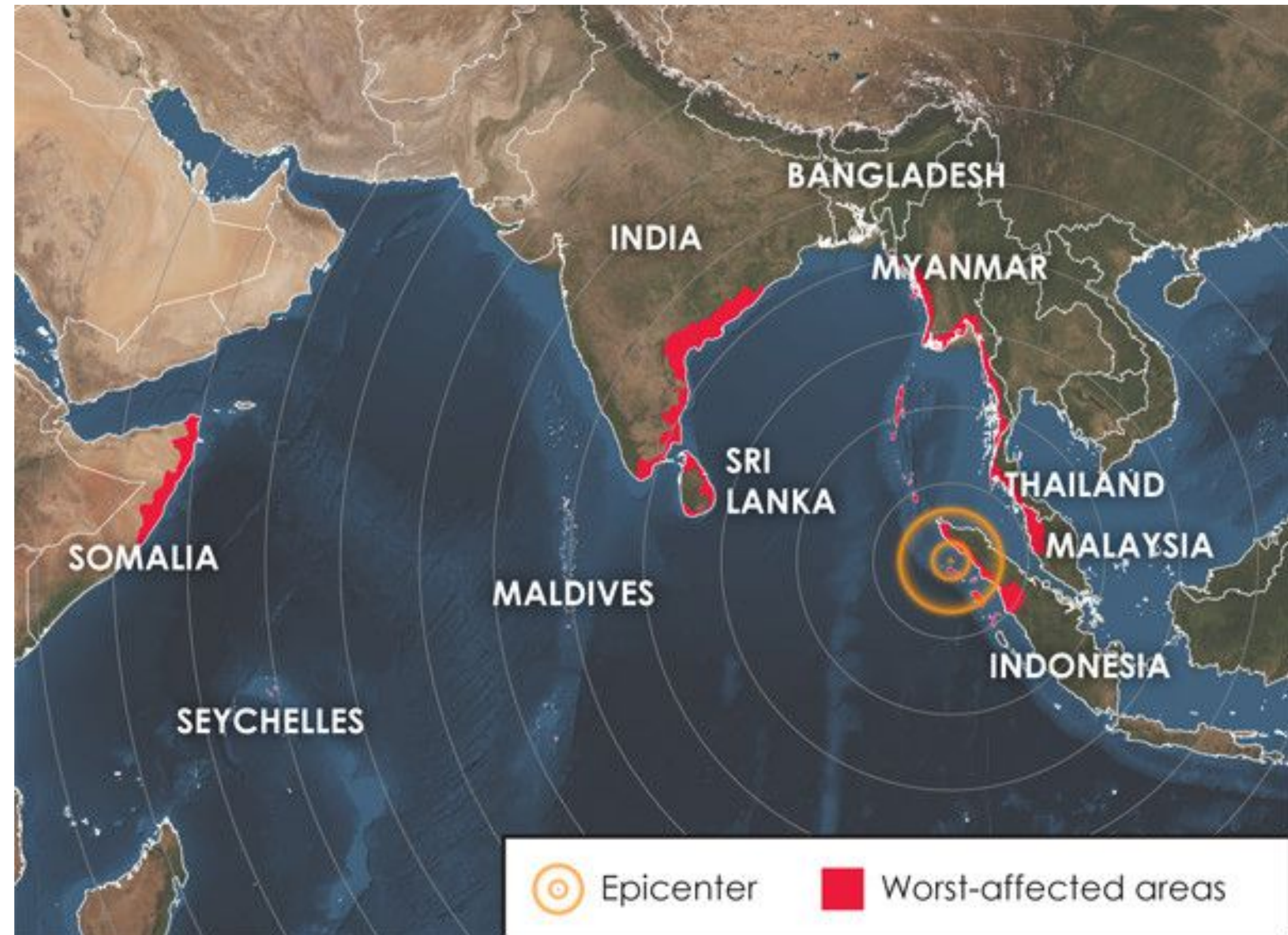


# What caused the Tsunami?



vi

## Countries Affected

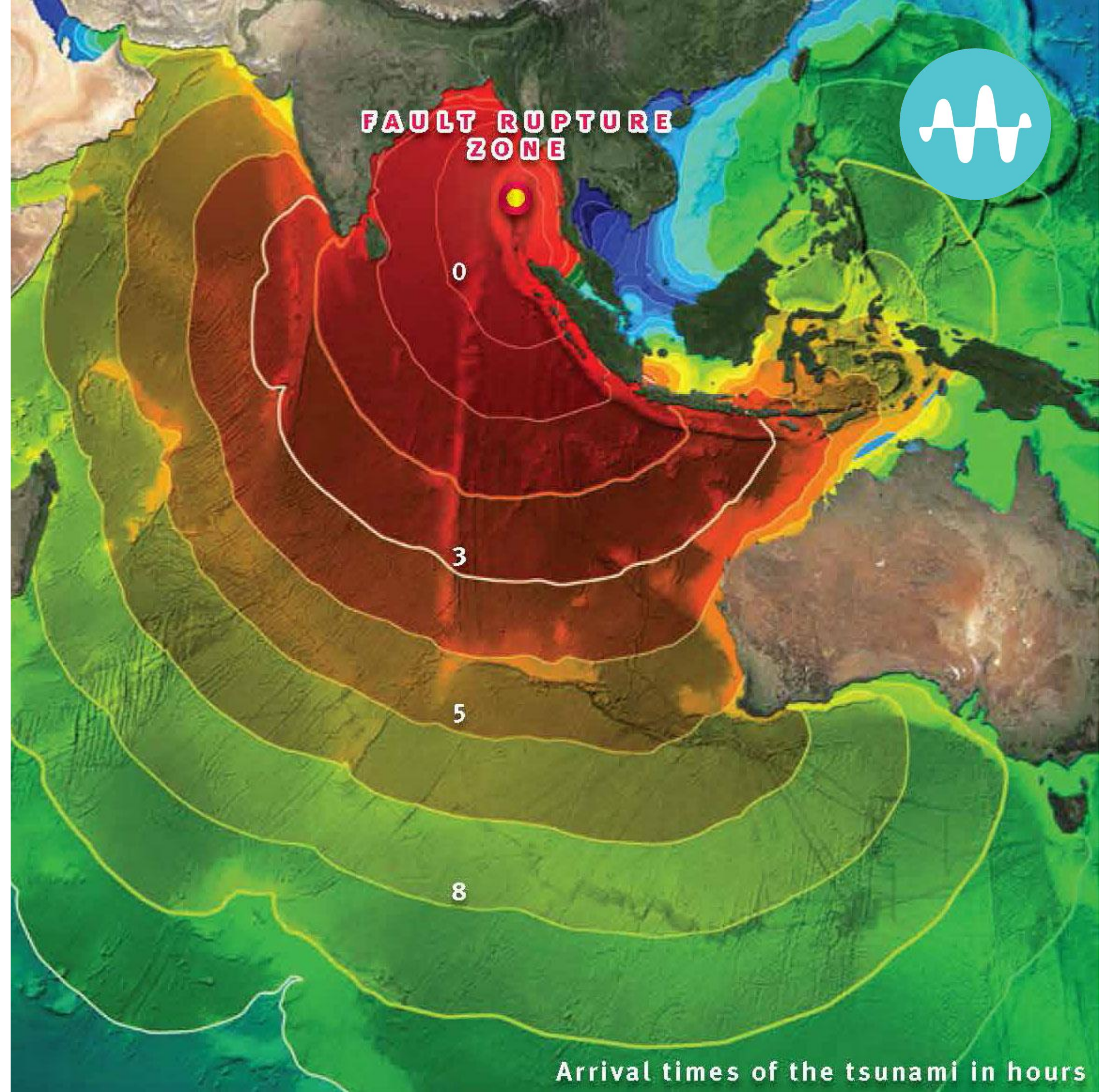




# What caused the Tsunami?

vi

Countries Affected





# Telling Your Story

vi





# Telling Your Story: What The Students Are Invited To Do



vi

To create a story about tsunamis in the Indian Ocean (past, present, or future)

- 1) The goal is to select **stories** that will be highlighted in the commemorations, to inspire and educate.
- 2) It is based on their **motivations and interests** and how they connect with the 2004 event.
- 3) An opportunity to learn about **Art, Science, Storytelling, Journalism, Video Production, Illustration**.
- 4) They have **freedom to choose a platform**: a poem, an interview, a song, an animation, photographs.
- 5) We are inviting them to work **in groups**, that they can choose engaging other students.
- 6) We provide a simple **methodology** for them to follow.
- 7) **Competition**: Best work will be showcased online for the 20th commemorations with regional visibility.



What is your **motivation**?





# Connecting students to Space to learn about disasters!

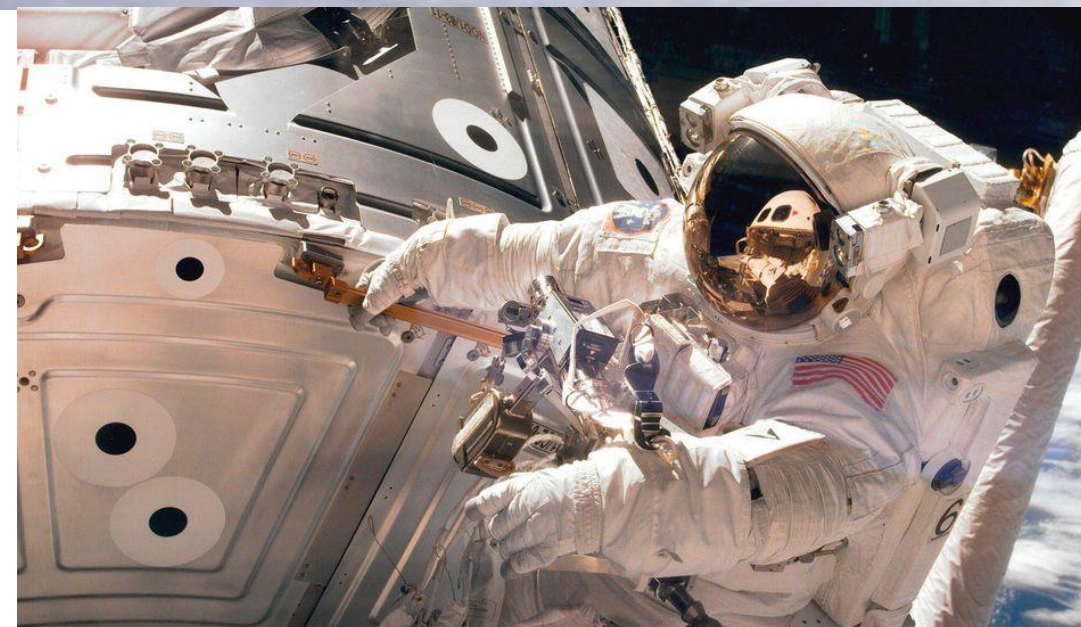
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An opportunity for students of 26 countries to learn about the Indian Ocean in a new way!

**Jul 22-26 (time to be confirmed)**  
**A live conversation with astronauts in Space.**  
**Students will discuss tsunamis and disasters monitoring with an astronaut in the ISS.**



EARTH SCIENCE  
APPLIED SCIENCES  
**DISASTERS**





# Connection with Space: What Students Need To Do



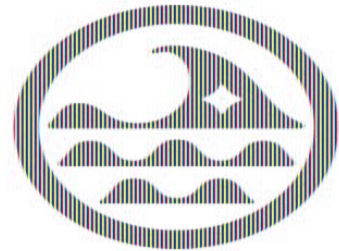
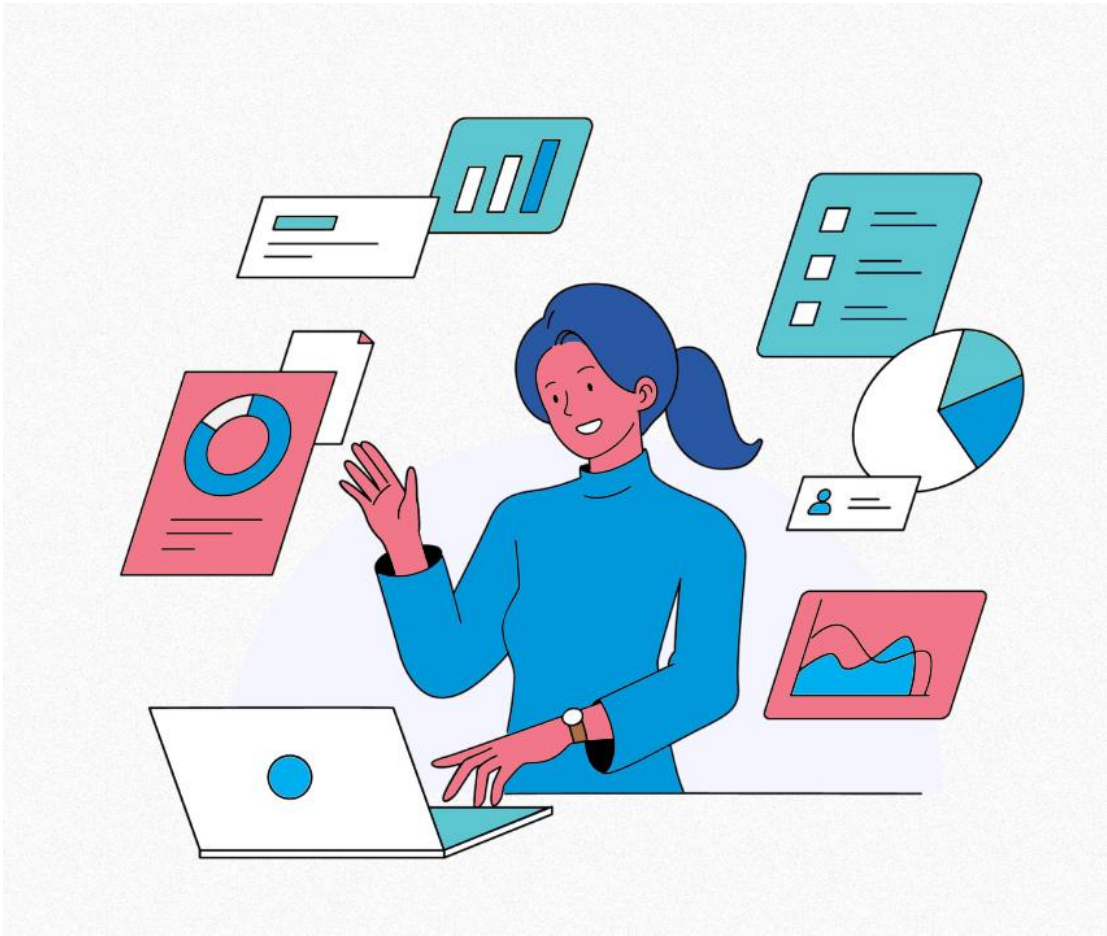
vi

- ◆ Kids in schools from 19 countries will have the opportunity to learn about tsunamis research and monitoring, as seen by the unique perspective of an astronaut in the International Space Station (ISS).
- ◆ All students are invited to send their questions to the astronaut using this online form (link will be provided).
- ◆ **Topics:** our ocean, our coasts, coastal and ocean hazards, our life in the ocean and coasts, nature and species (mangroves, coral reefs, animals), tsunamis, climate change.  
12 questions will be selected (+4 back up), and those students will ask the questions live.
- ◆ **Questions must be submitted before Friday, June 22nd**
- ◆ The transmission will be open for all students. A YouTube link will be sent the previous week.



# Website

<https://uinspire.id/tsunami-united/>



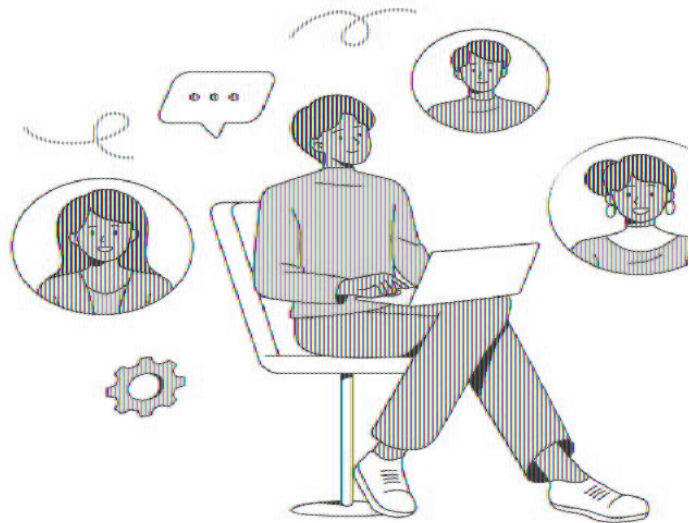
# TSUNAMI UNITED

Connecting the Next Generation  
to Build Coastal Resilience

The 2004 Indian Ocean Tsunami was a devastating event that affected communities and countries vulnerable to future disasters. As a result, it is crucial for us to understand the risks and be prepared for the future.

Be part of a global movement that's empowering the next generation to build coastal resilience. Apply before 20th May 2024!

Register Now!



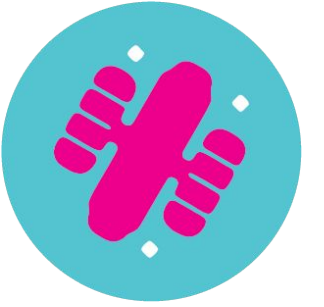
Join the Wave of Change  
with Tsunami United!

Be part of a global movement that's empowering the next generation to build coastal resilience. It's more than just an initiative; it's a chance to make a real impact, to learn, share, and prepare. Ride the wave to a safer, more resilient future with Tsunami United. Your voice matters in this wave of change!

Register your School Now!



# Resources for the Classroom



vi

This block covers the following topics for **teachers**:

- ◆ **Preparation in the classroom** Teachers can use this material and videos so that kids can prepare for the event and learn about the [International Space Station \(ISS\)](#), [tsunamis](#), [weather instruments](#) and for those selected prepare their questions to the astronaut for the live conversation.

More information about the ISS [LINK](#), satellites [LINK](#) and oceans from space [LINK](#)

- ◆ Watch the video references of the previous conversations:
  - **Galapagos** ([link](#)) and also the full 33 minute live transmission.
  - **Caribbean and Central America** region ([link](#)).



# Resources for the Classroom



vi

Resources to create a story about tsunamis in the Indian Ocean (past, present, or future)

## About the 2004 tsunami

- [Indian Ocean tsunami of 2004 | Facts & Death Toll | Britannica](#)
- [2004 Indian Ocean earthquake and tsunami – Wikipedia](#)
- [The 2004 Tsunami Wiped Away Towns With 'Mind-Boggling' Destruction | HISTORY](#)

## About the progress since then

- [Advances in Tsunami Warning to Enhance Community Responses, IOC/UNESCO Symposium, 12-14 February 2018: summary statement](#)
- [The Indian Ocean tsunami warning and mitigation system 10 years after the Indian Ocean tsunami: achievements, challenges, remaining gaps and policy perspectives: summary statement](#)
- [UNESCO-IOC and BMKG International Symposium: lesson learnt from the 2018 tsunamis in Palu and Sunda Strait, Jakarta, Indonesia, 26-28 September 2019: summary statement](#)
- [Research, development, implementation plan for the Ocean Decade Tsunami Programme: executive summary](#)



# Resources for the Students



vi

Resources to create a story about tsunamis in the Indian Ocean (past, present, or future)

- ◆ [Tsunami Reflections - BBC World Service](#)
- ◆ [Octonauts: Above & Beyond - Series 3: 12. The Tsunami - BBC](#)
- ◆ [Research, development, implementation plan for the Ocean Decade Tsunami Programme: executive summary \(UNESCO\)](#)
- ◆ [Causes of tsunamis - Earthquakes and tsunamis - Edexcel - GCSE Geography Revision - Edexcel - BBC Bitesize](#)
- ◆ [World Tsunami Awareness Day \(UNDRR\)](#)
- ◆ [Get to high ground campaign \(UNDRR\)](#)
- ◆ [Tsunami Education Video Series - animation \(UNESCO IOC IOTIC\)](#)
- ◆ [Tsunami Ready video series - animation \(UNESCO IOC IOTIC\)](#)
- ◆



# The Project Walkthrough

## Teachers

Familiarization

ClassRoom  
Integration

Q&A

Recording

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Tsunami Memories

About the region

About the sea

The future you

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with an astronaut in  
the ISS

Our region form  
space

Preparation in  
classroom

## Session #4

Becoming  
Storytellers or  
Scientists

Competition

Visibilization



# Takeaways: What we need from you (teachers)



vi

- ◆ **Learning Experience for Webinars:** to remind the students to participate in the 4 webinars. Link to the webinars will be send by email to the students and the teachers weekly. Also to regularly monitor the Tsunami United website.
- ◆ **Activities between Webinars:** a google form survey will be sent to the students and teacher. Survey for session #1: will be send on Friday, 31 May 2024 for the student to respond the latest by Wednesday 5 June 2024.
- ◆ **Telling Your Story:** Encourage students to creatively and innovatively tell their tsunami campaign story and submit to be showcased internationally.  
**Latest date** to submit the **students stories: September 3rd, 2024 (Tuesday)**
- ◆ **ISS and Conversation with Space:** to remind the students to participate in the ISS Session.  
**Latest date** to submit questions to the astronaut: **June 22th, 2024**  
**Live Event:** July 22-28th, 2024 (exact date to be confirmed) + **Rehearsal** with 12 selected schools
- ◆ Resources for support materials. **LINK**
- ◆ **Communication:** We will be communicate directly with students by email, with you in copy. It's important that they regularly check their emails and the Tsunami United website



# The Calendar



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Meeting with Teachers	Session #1	Session #2	Session #3	ISS Contact	Session #4	Latest Date to Submit the Stories
<b>Group 1</b> May 30	<b>Group 1</b> June 6	<b>Group 1</b> June 11	<b>Group 1</b> June 26 –	<b>Both Groups</b> July 22-26	<b>Group 1</b> August 1 –	<b>Both Groups</b> September 3rd
<b>Group 2</b> May 31	<b>Group 2</b> June 7	<b>Group 2</b> June 12	<b>Group 2</b> June 27	TBC	<b>Group 1</b> August 2	



# About the timing: Does it work for the students?



vi

**Time:** UTC: 03:00 - 04:30

Time in Country (please check to make sure)

Sri Lanka	08:30 - 10:00
India	08:30 - 10:00
Bangladesh	09:00 - 10:30
Myanmar	09:30 - 11:00
Indonesia	10:00 - 11:30
Thailand	10:00 - 11:30
Malaysia	11:00 - 12:30
Timor Leste	12:00 - 13:40

**Time:** UTC: 09:00 - 10:30

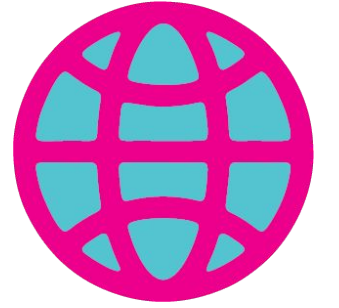
Time in Country (please check to make sure)

South Africa	11:00 - 12:30
United Arab Emirates	13:00 - 14:30
Comoros	12:00 - 13:30
Kenya	12:00 - 13:30
Madagascar	12:00 - 13:30
Tanzania	12:00 - 13:30
Iran	12:30 - 14:00
Mauritius	13:00 - 14:30
Seychelles	13:00 - 14:30
Pakistan	14:00 - 15:30
Maldives	14:00 - 15:30

Please give us your feedback using this form! [LINK](#)



# We will send a simple survey: Objectives



vi

**Put this activity in context for them.**

**We want them to research:**

- Learn more about the 2004 tsunami.
- Learning more other tsunamis.
- Learning more about other natural hazards.

**We want to have a baseline to get to know them:**

- Gather data about their perceptions and their knowledge.
- **Highlight participation and engagement.**

Do you know if your country was impacted by the 2004 Indian Ocean Tsunami? \*

- ☐ Yes, I know
- ☐ No, I have just learnt to know about this now
- ☐ No, My country was not impacted by the 2004 tsunami

What do you know about the 2004 Indian Ocean Tsunami? (the time and date, the magnitude of the earthquake, the location of the earthquake, country impacted by the tsunami, total casualties, etc.) \*

Your answer

How was your country got affected by the 2004 Indian Ocean Tsunami? (i.e. economic loss, number of casualties, damages, etc.). If your country was not affected select a country that you know was affected. \*

Your answer

Do you know of other tsunamis that happened after 2004 (worldwide)? List the tsunami you know below: (Date - DD/M/YYYY, Place, Country: for example 15/01/2022, Hunga Tonga, Tonga) \*

Your answer



# About the Survey:



vi

Do you know if your country was impacted by the 2004 Indian Ocean Tsunami? \*

- ☐ Yes, I know
- ☐ No, I have just learnt to know about this now
- ☐ No, My country was not impacted by the 2004 tsunami

What do you know about the 2004 Indian Ocean Tsunami? (the time and date, the magnitude of the earthquake, the location of the earthquake, country impacted by the tsunami, total casualties, etc.) \*

Your answer

How was your country got affected by the 2004 Indian Ocean Tsunami? (i.e. economic loss, number of casualties, damages, etc.). If your country was not affected select a country that you know was affected. \*

Your answer

Do you know of other tsunamis that happened after 2004 (worldwide)? List the tsunami you know below: (Date - DD/M/YYYY, Place, Country: for example 15/01/2022, Hunga Tonga, Tonga) \*

Your answer

What can cause a tsunami? *Select your answer (you can select more than one).* \*

- ☐ Earthquake
- ☐ Volcanic Eruption
- ☐ Climate Change
- ☐ Landslide
- ☐ Heavy Rainfall
- ☐ Sub-marine landslide
- ☐ Meteorite
- ☐ Hurricane

When is the World Tsunami Awareness Day?( *Select your answer*) \*

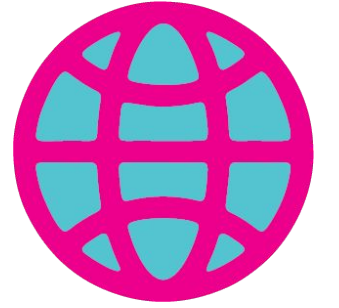
- ☐ October 13
- ☐ November 5
- ☐ December 26

What are the natural hazards in your country? *Select your answer. (you can select more than one).* \*

- ☐ Avalanche
- ☐ Coastal Flooding
- ☐ Cold wave
- ☐ Drought
- ☐ Earthquake
- ☐ Hail
- ☐ Heatwave
- ☐ Hurricane
- ☐ Ice storms
- ☐ Landslide
- ☐ Lightning
- ☐ Riverine Flooding
- ☐ Strong Wind
- ☐ Tornado
- ☐ Tsunami
- ☐ Volcanic Activity
- ☐ Wildfire
- ☐ Winter weather



# Before Session #1



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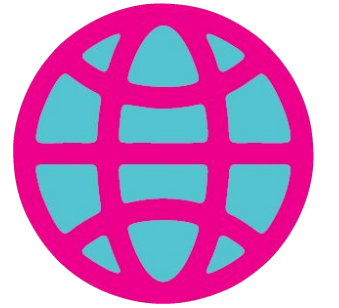
## How was your country affected by the 2004 tsunami?

We want the students to reflect on that.

The students can ask their parents, friends, relatives, and others in their community.



# Important Links



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Website: <https://uinspire.id/tsunami-united/>

## Teachers meeting:

- Session for Zone A: [Link](#)
- Session for Zone B: [Link](#)

Have questions? **Our email:** [iotic@unesco.org](mailto:iotic@unesco.org)



# Connecting the next generation to build coastal resilience

20<sup>th</sup> Commemoration of the 2004 Indian Ocean Tsunami

