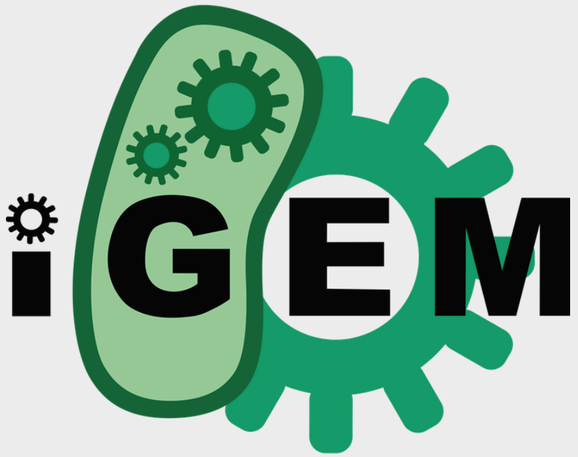



# iGEM’s case

# What is iGEM?

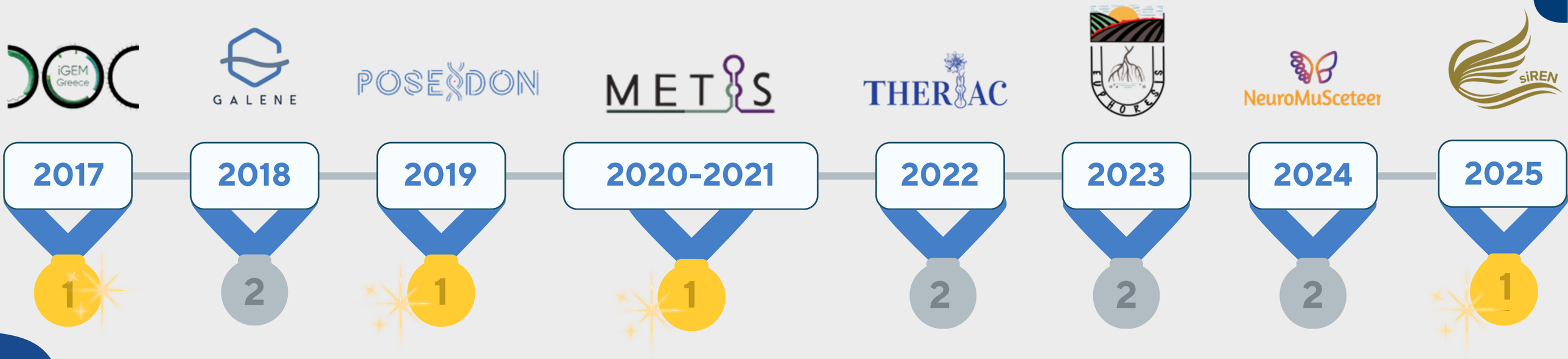



- The largest global Synthetic Biology competition
- Started in 2003 by MIT
- Biology is treated as "engineering." We use biological tools to solve real-world problems

# iGEM Villages

- Agriculture
- Bioremediation
- Climate Crisis
- Conservation
- Fashion & Cosmetics
- Food & Nutrition
- Diagnostics
- Infectious Diseases
- Oncology
- Therapeutics
- Art & Design
- Biomanufacturing
- Foundational Advance
- Software & AI
- Space

# The history of iGEM Thessaloniki



# How is a student team built?














1. **We need a scientific supervisor / principal investigator (PI)**
2. **Recruitment**
3. **Interdisciplinarity**
4. **Commitment**
5. **Discipline**
6. **Responsibility / Accountability**













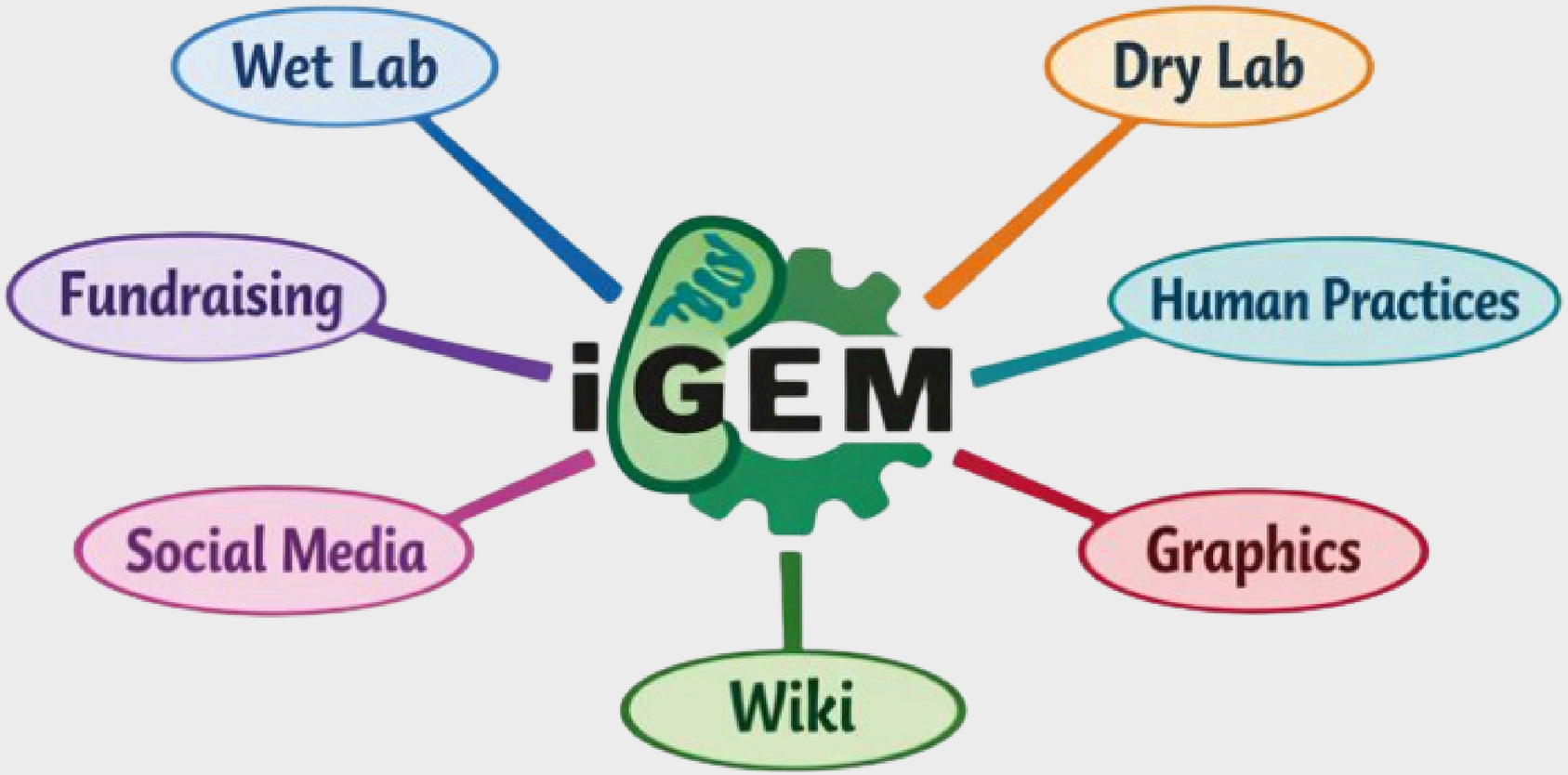
**Project selection**



- Brainstorming
- Defining the sector / field (village)
- Open proposals / Free-form ideas
- Risk assessment
- Innovation
- Comparison


Transparency
Timeline
Assesment and feedback
Frequent meetings
Team organization

# Team and the subteams



# Wet Lab

Literature review (PubMed, Scopus, Google Scholar)

biological experiments

cell cultures

Recombinant DNA

PCR

Electrophoresis

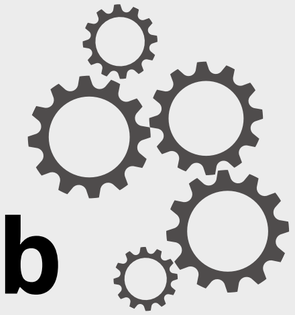
Chromatography/ Spectrometry

experiment model making

digitall lab

Fund savings

# Dry Lab



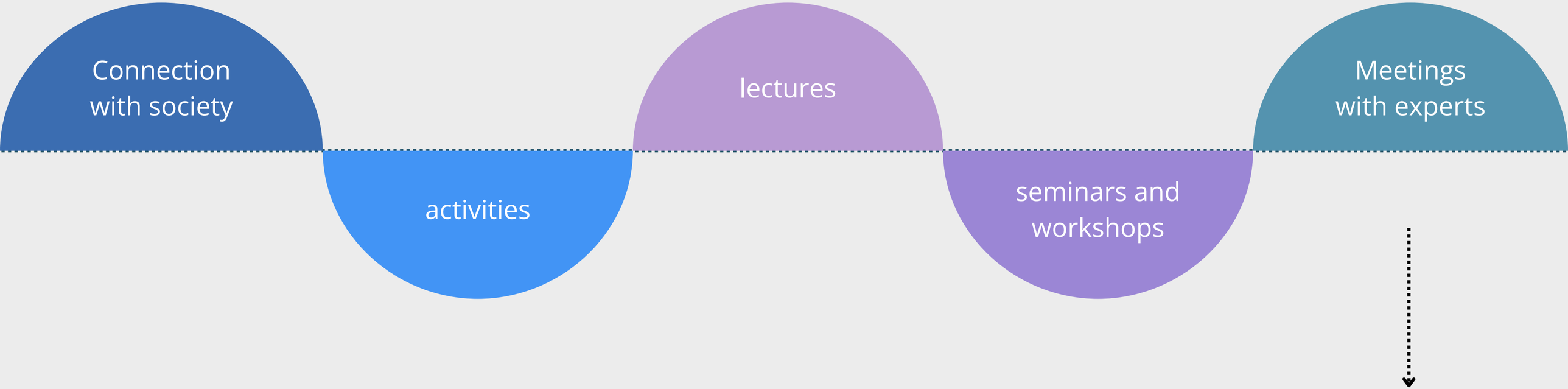
Alphafold

statistical process

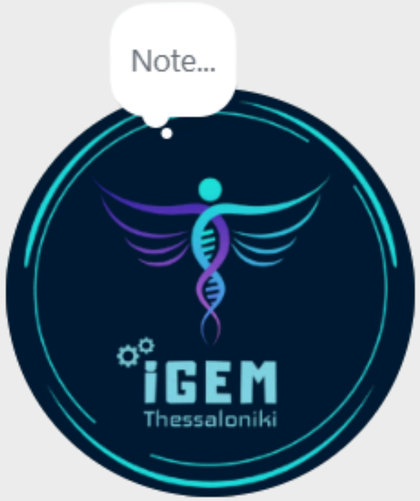
# Fundraising

- ✓ Capital search
- ✓ paperwork
- ✓ Budget
- ✓ Agreements with rewarding benefits
- ✓ Contracts

# Human Practices



# Social Media - Graphics




**igem.thessaloniki**

iGEM Thessaloniki

**270** posts **2,809** followers **1,474** following

Science, Technology & Engineering

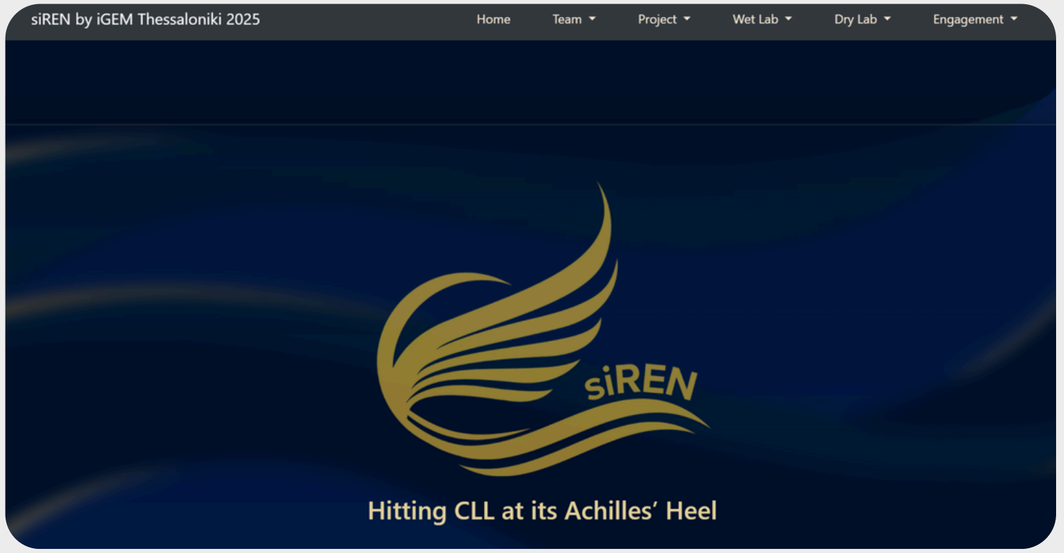
🧬 Undergraduate Synthetic Biology Team
🏛️ AUTh, Greece
The team who introduced iGEM to Greece
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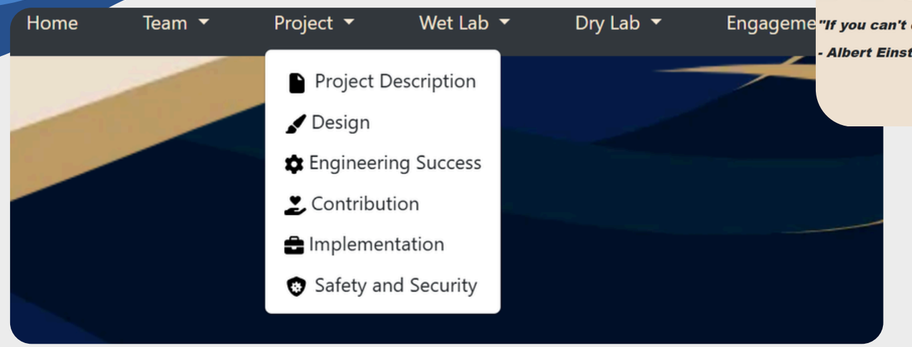
🔗 linktr.ee/igem.thessaloniki



# WIKI

Web Development
Describing Project Goals







LINK