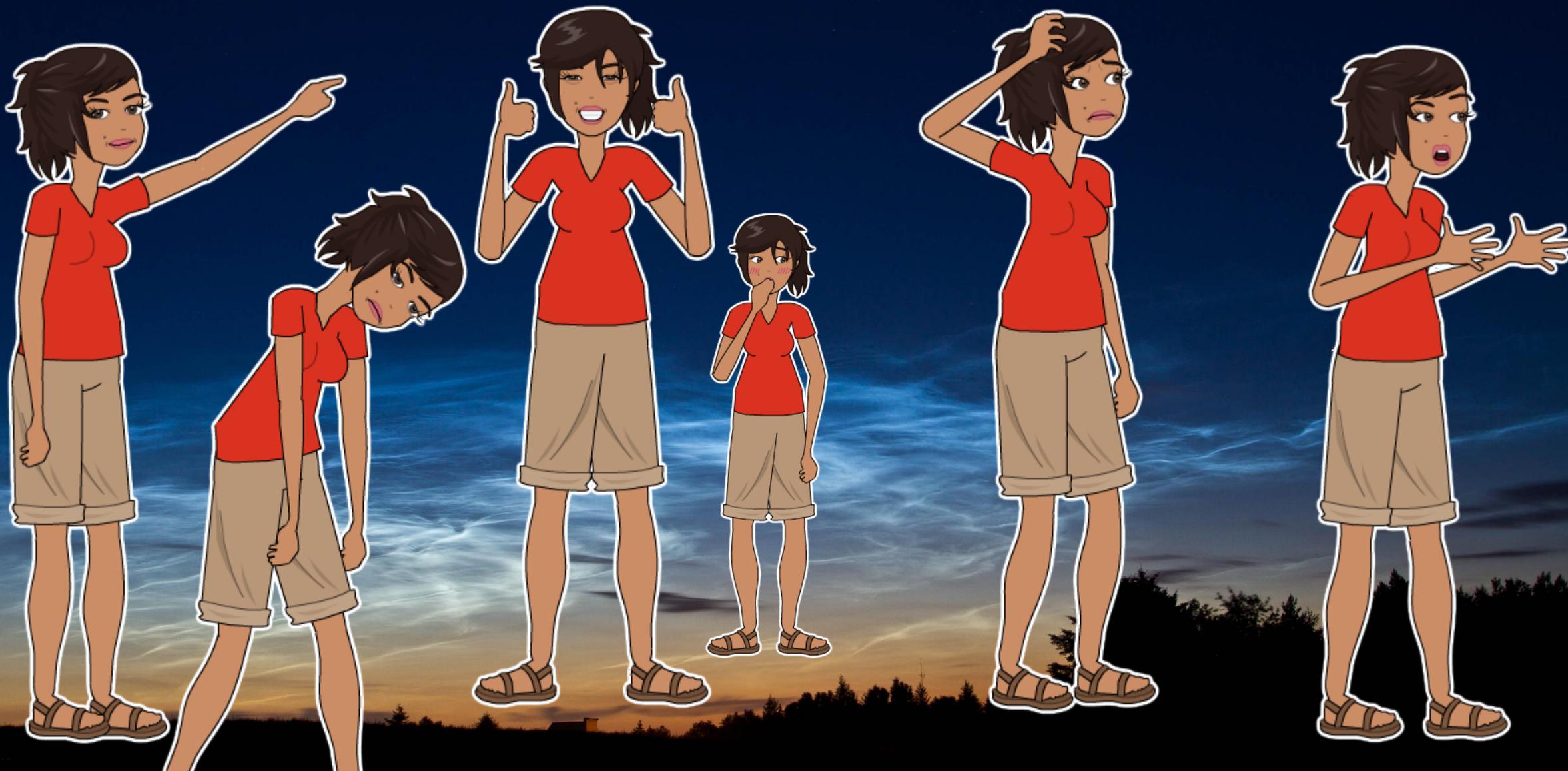


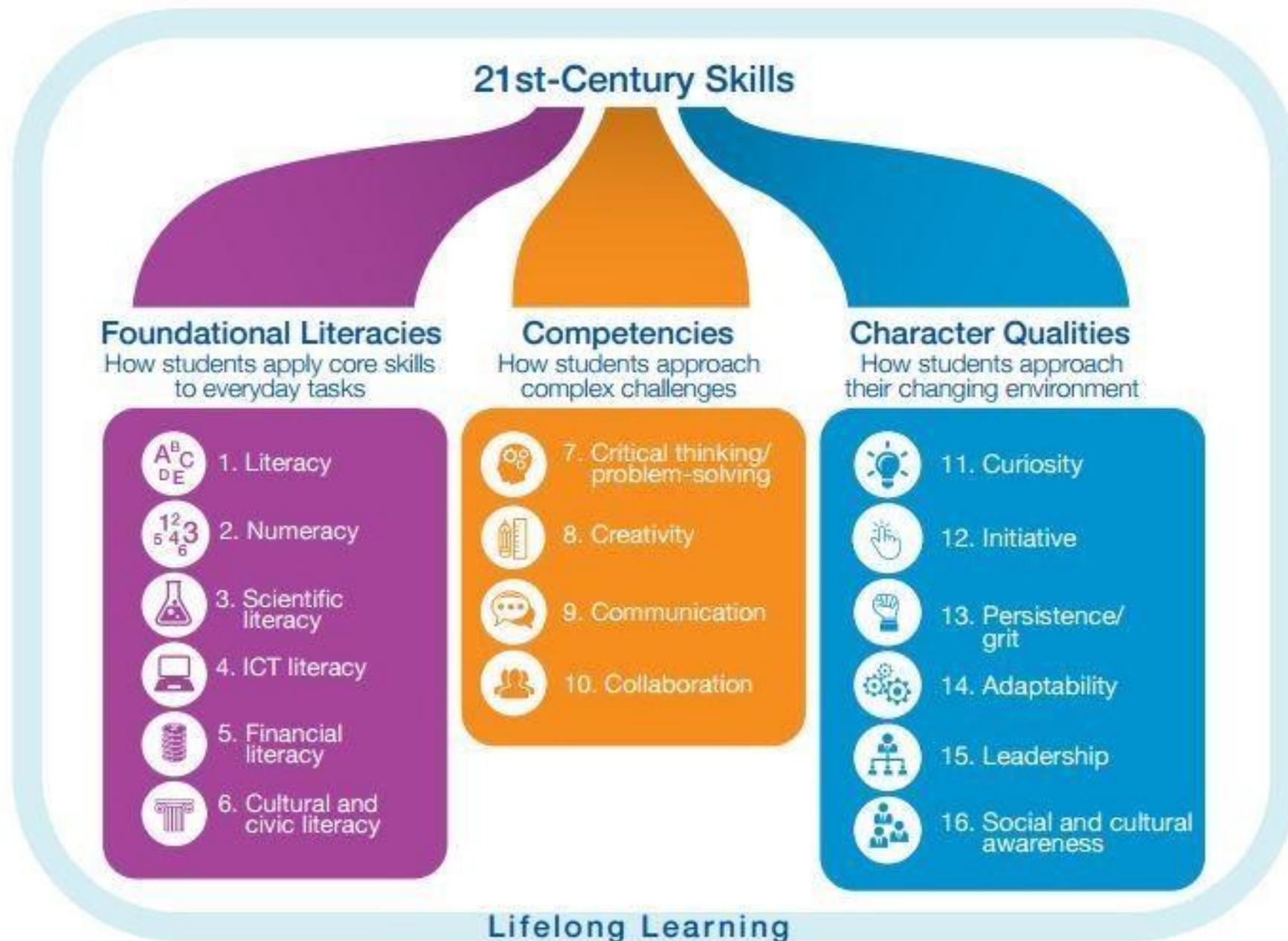


Who are the future leaders of our planet ?



How do we want them to be educated?





What is expected from all of us !!!



Design Thinking Process and UDL Planning Tool

goo.gl/OVOhOn



Barbara Bray
@bbray27

Jackie Gerstein
@jackiegerstein

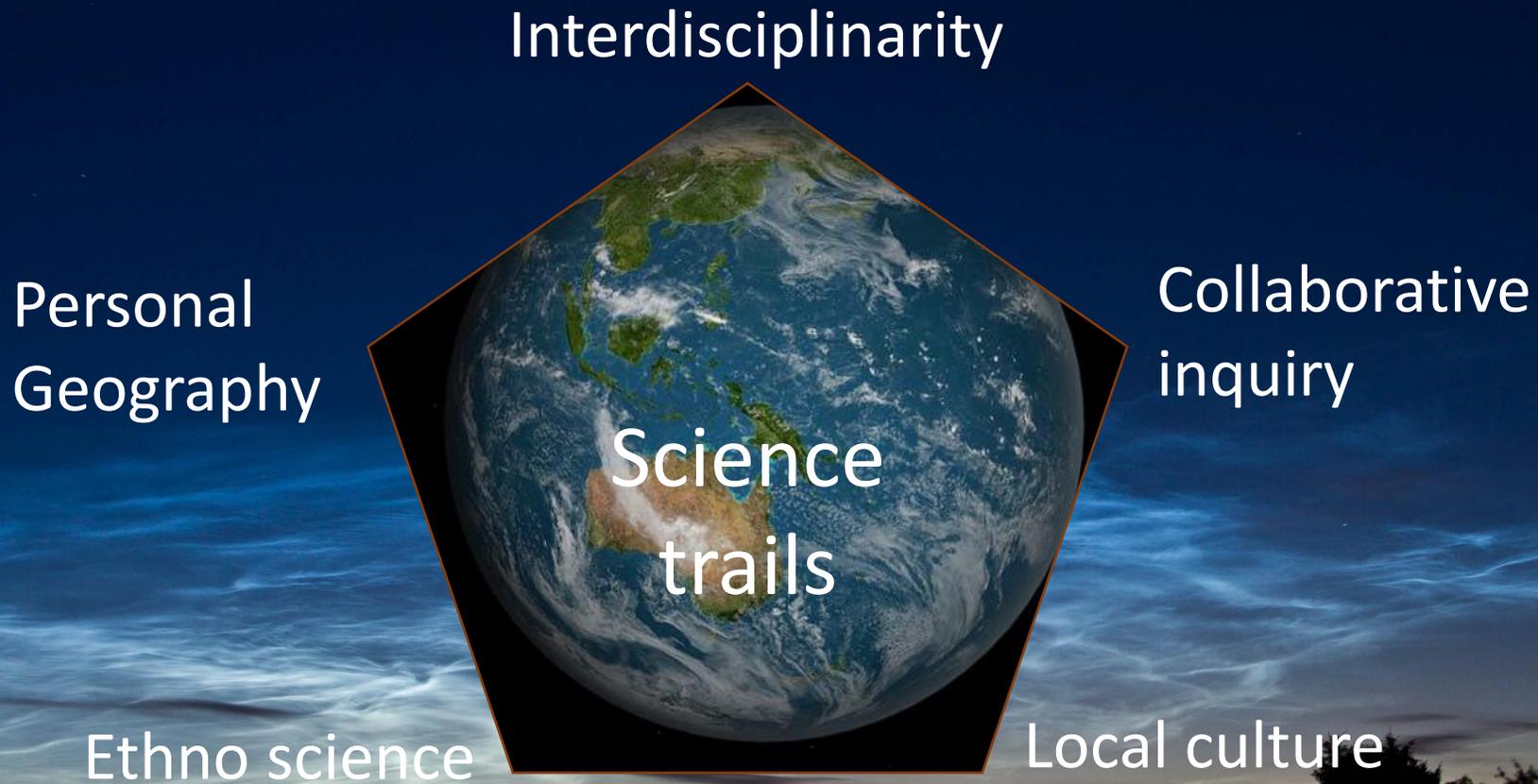
Welcome on board of



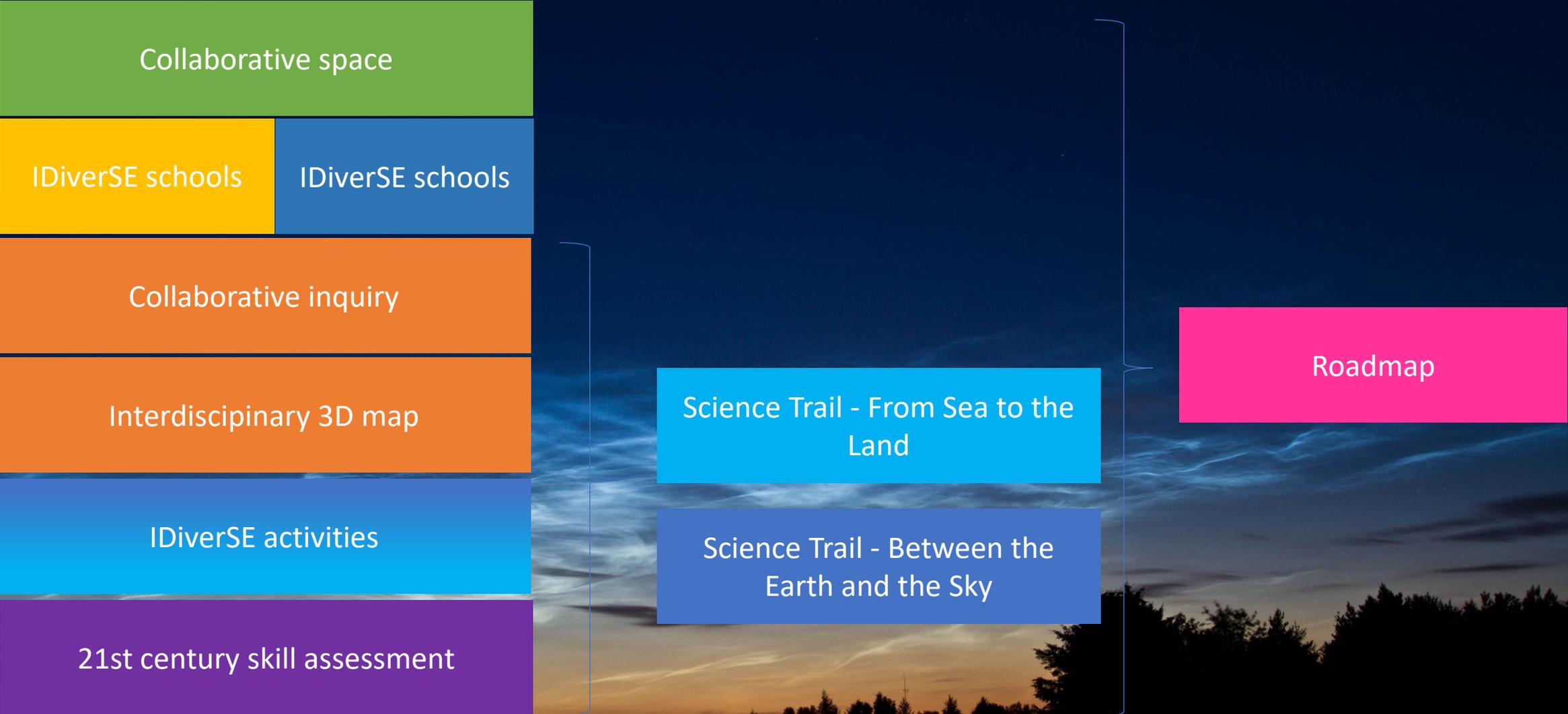
One people → One planet → One Sky



Main pillars of IDiverSE



Basic structure of IDiverSE



Promoting 21st Century Skills?

- Ways of Thinking
 - 1. Creativity and innovation
 - 2. Critical thinking, problem solving, decision making
 - 3. Learning to learn, Metacognition
- Ways of Working
 - 4. Communication
 - 5. Collaboration (teamwork)
- Tools for Working
 - 6. Information literacy
 - 7. ICT literacy
- Living in the World
 - 8. Citizenship – local and global
 - 9. Life and career
 - 10. Personal & social responsibility



S1: Problem Solving
S2: Critical Thinking
S3: Communication
S4: Reflection
S5: Collaboration



Students' progress dashboard

Development of skills



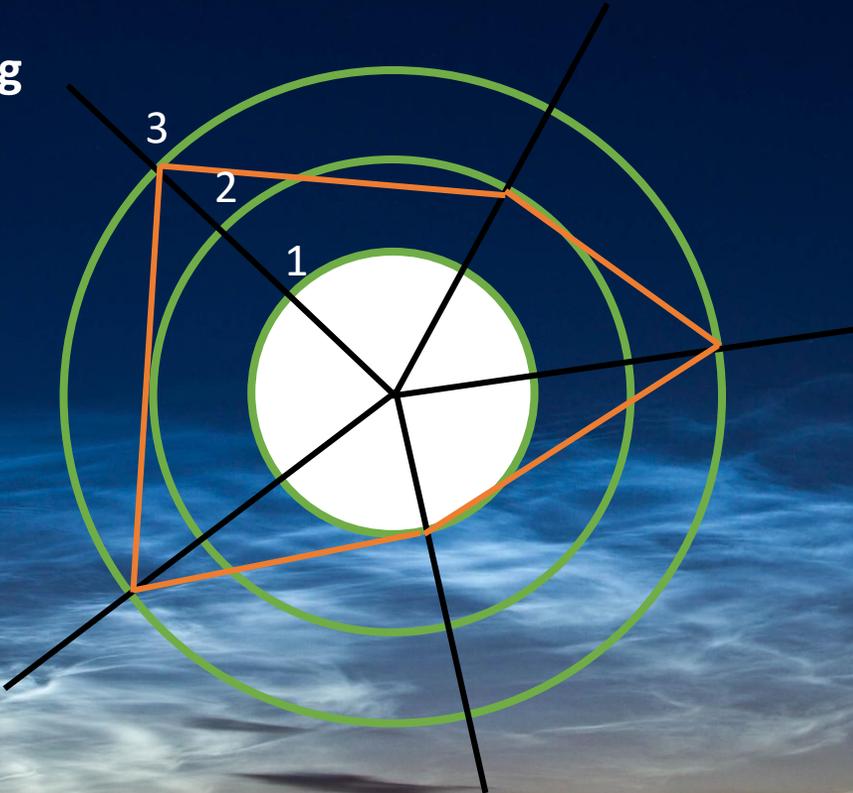
S1: Problem Solving

S2: Critical Thinking

S3: Communication

S4: Reflection

S5: Collaboration



IDiverSE inspirations / Partners



PLATON methodology



OSOS schools



MADEIRA ISLANDS

134 Eco-Schools

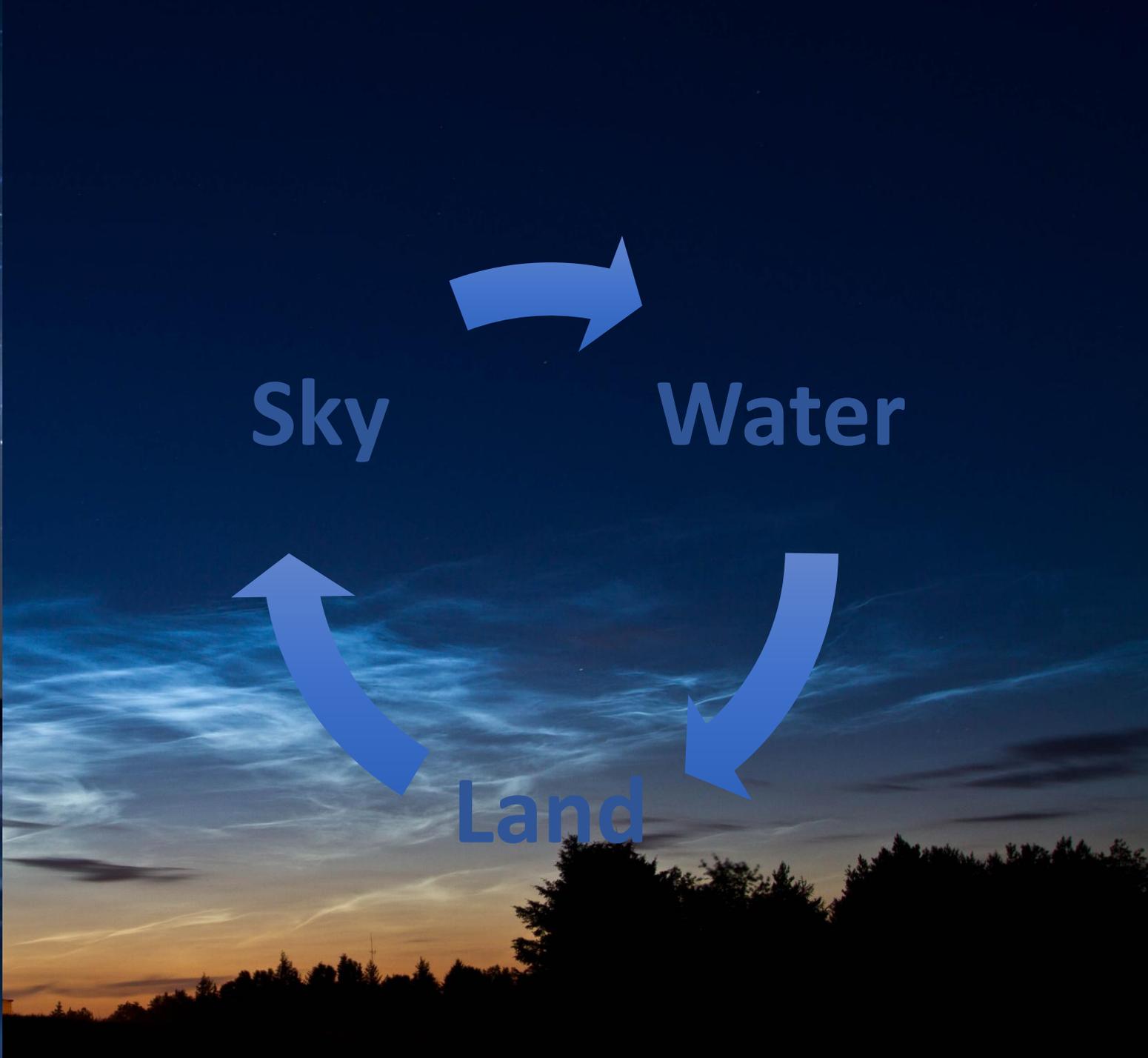
AZORES ISLANDS

83 Eco-Schools



Partners and Associate Partners





Sky

Water

Land

SKY

Cultural relation with sky
Stories, Observations

Light pollution



<http://dsr.nuclio.pt/>

GlobalLab

Lowering the entry barrier



By loading the GlobalLab applications on a mobile device every student in the world can participate in the data-streaming crowdsourcing, participate in discussions and develop a sense of belonging to the worldwide network of citizen-scientist



© GlobalLab LLC

www.globallab.org



GlobalLab not only captures data, it also displays datasets on world maps

Users can compare their findings with data worldwide

Crowdsourcing & citizen science become

- Relevant
- Engaging
- Easy
- Fun



The screenshot shows the GlobalLab web interface. On the left is a vertical sidebar menu with icons and labels: Description, Vocabulary, Resources, Our data, Gallery, On the map, Comparing data, Forum, and Teacher's Forum. The main area displays a satellite map of a city, likely Moscow, with numerous small, colored squares (red, orange, yellow, green, blue) representing data points. A tooltip for 'Moscow School 2030' is visible over the map.

When?



School
community



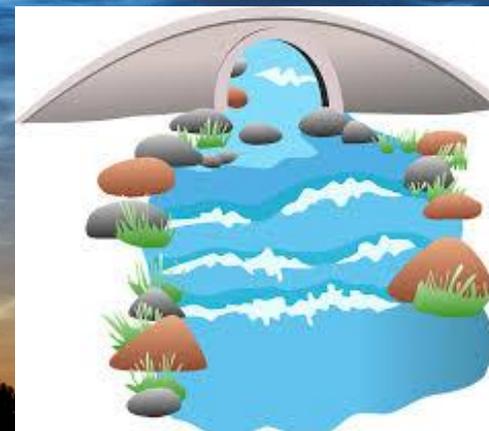
Communicate results of the researches
to...

.....

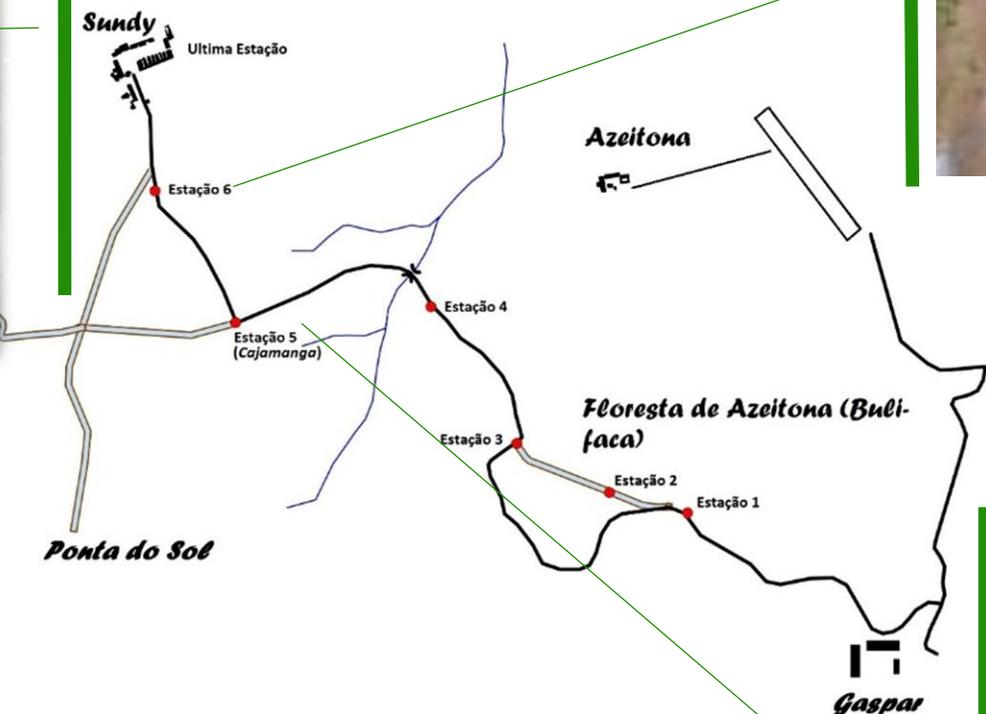
Island visitors



Local
community



Station examples



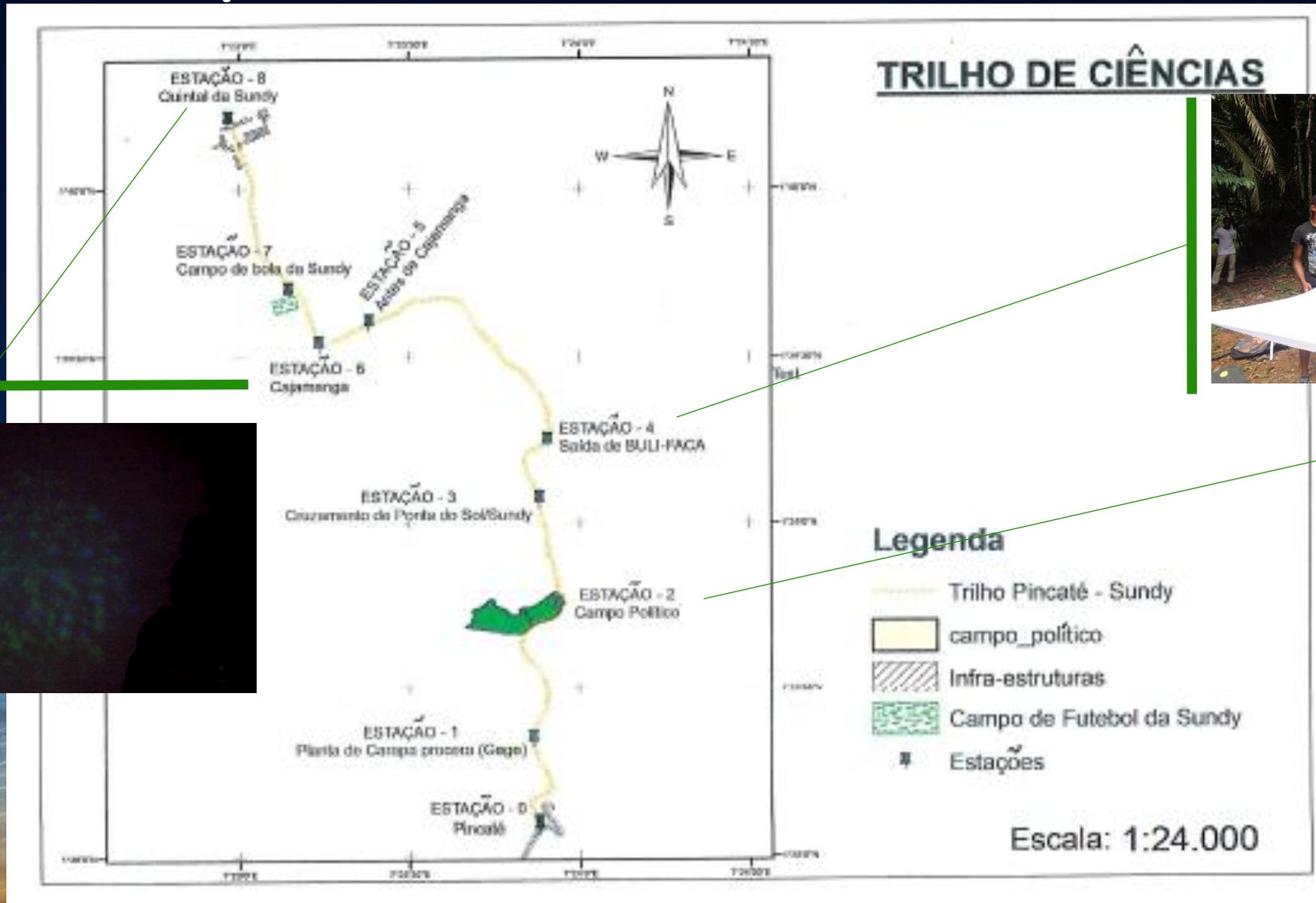
- Legenda:**
- Caminhos
 - Edifícios
 - Rios
 - Pontes
 - Estrada Principal (terra batida)

Trilho da Ciência
Escala: 1:25000
WGS 84 / UTM32



1
1
2
3
5
8
13
21, ...

Station examples



Science on Stage Portugal - 2019



Skills for the Future

100th Anniversary of IAU
50th Anniversary of Moon Landing
100th Anniversary of Eddington@Sundy

400 teachers from all over
Europe sharing best practices



Co-funded by the
Erasmus+ Programme
of the European Union



Thank you



UNIVERSIDADE
DOS AÇORES

