

**THE
ENERGY
& WATER
AGENCY**

**GHAJN: NATIONAL WATER CONSERVATION
AWARENESS CENTRE**

WAMUNET
Natalino Spiteri

GHAJN CENTRE

- Opened its doors 2017
- Norwegian Grants
- Educational Programme (LIFE 16)



AIMS OF THE GHAJN CENTRE

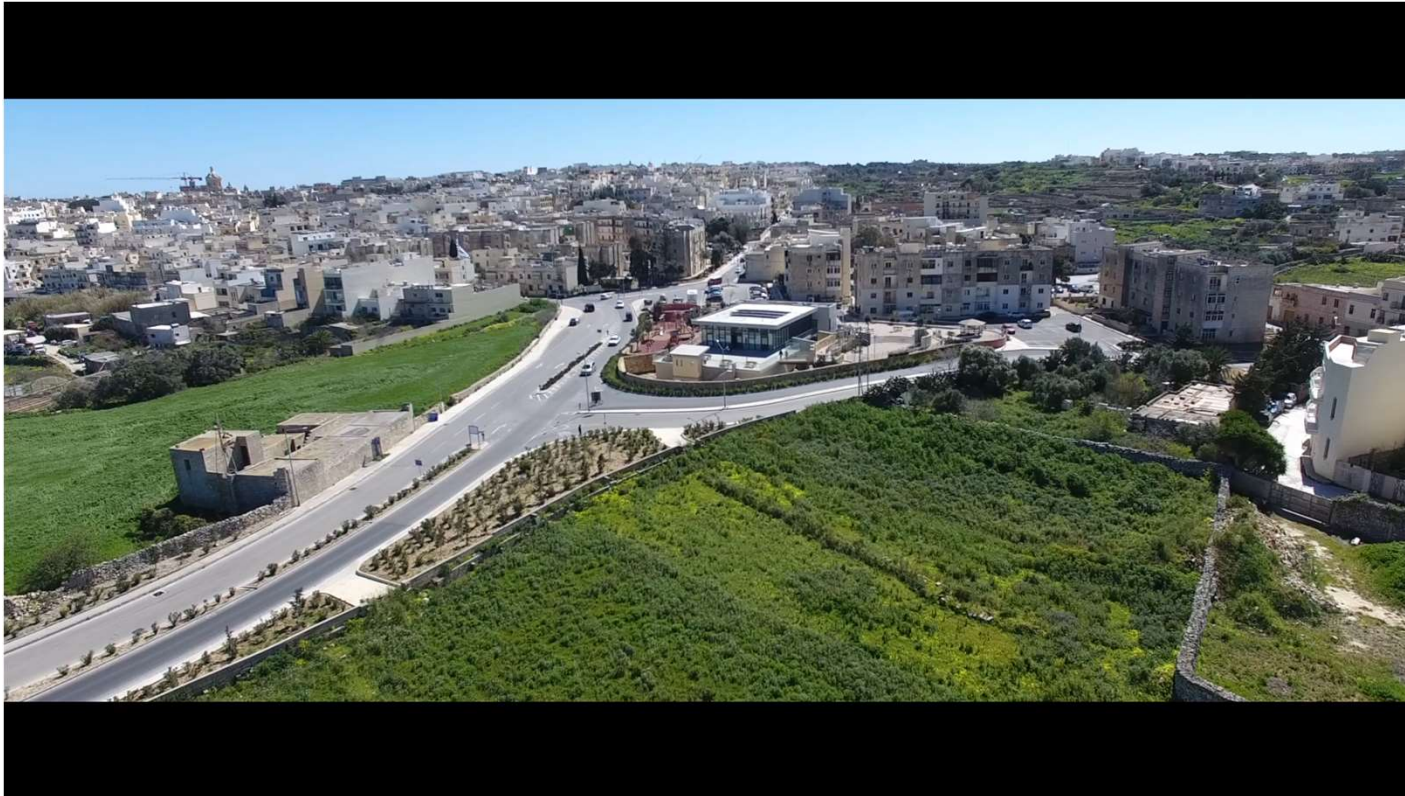
- to educate the visitor,
- introduce the visitors to Malta's traditional water resources,
- highlight Malta's water scarce conditions,
- promote current innovations in the Maltese sector,
- highlight the local importance of ecologically significant areas sustaining groundwater dependent ecosystems and
- introduce visitors to the Water Framework Directive

VISITORS AT GHAJN



- Local school students
- Summer school students
- Corporate employees
- General Public (groups)

GHAJN: NATIONAL WATER CONSERVATION AWARENESS CENTRE



THE EDUCATIONAL PROGRAMMES:

- It is facilitated by educators
- We cater for a group of students with an average class size ranging from 20 to 25 students
- We address students from different age groups and different abilities.
- We address students from a number of different schools in Malta and Gozo.
- To raise awareness on the scarcity of natural water resources in the Maltese Islands and to promote water conservation and energy efficiency amongst the younger generation.
- 3 hr programme

STUDENT CENTRED LEARNING :

Student-centered learning refers to a

- wide variety of educational programs,
- learning experiences, instructional approaches,
- academic-support strategies

These are intended to

- address the distinct learning needs, interests, aspirations, or cultural backgrounds of individual students and groups of students.
- wide variety of educational methods,

INFORMAL EDUCATION



- Traditional resources
- Digital learning resources
- Non-classroom setting
- No time setting
- Fun way of learning

THE INTERACTIVE GAMES

- ❖ Weather Station
- ❖ 2 Interactive Sandboxes
- ❖ 8 Wall touch Screens
- ❖ 4 Main Interactive Screens

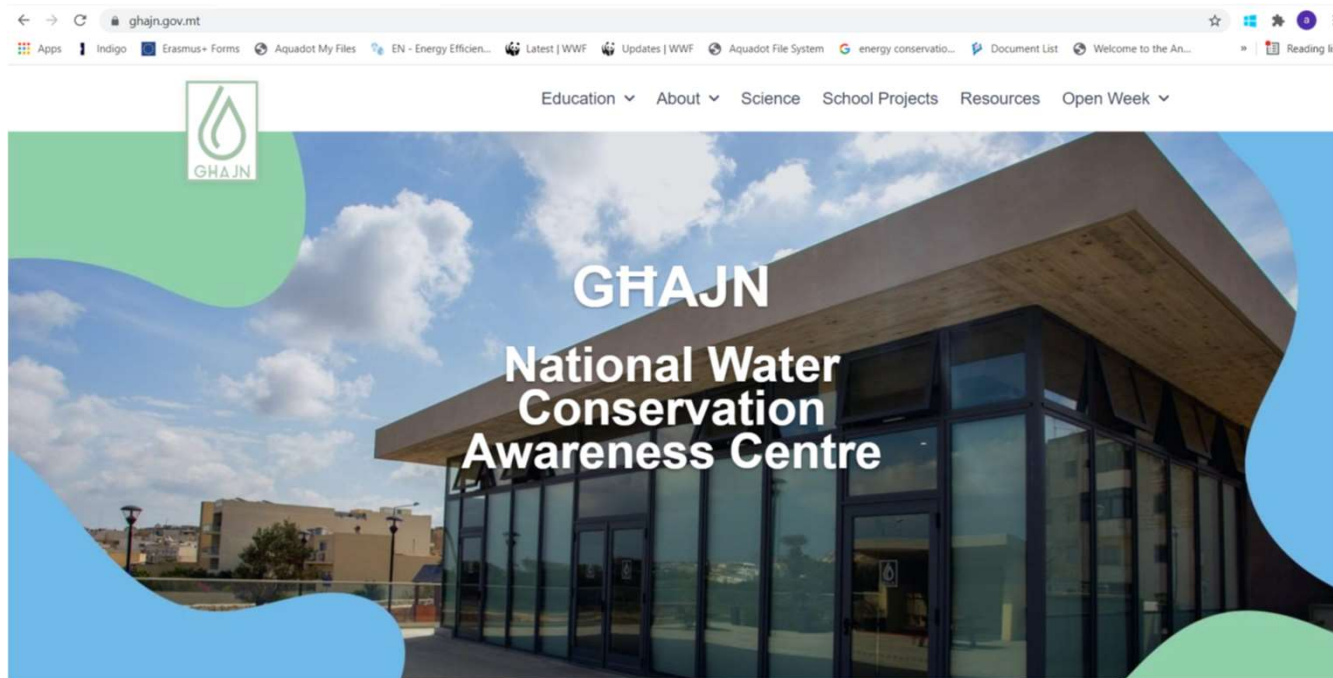


EDUCATIONAL PROGRAMME:

- Interactive Digital Games
- Adapted Classic Games
- Puppets and Puppet Scripts
- Accompanying Exercise books in both Maltese and English



GHAJN WEBSITE

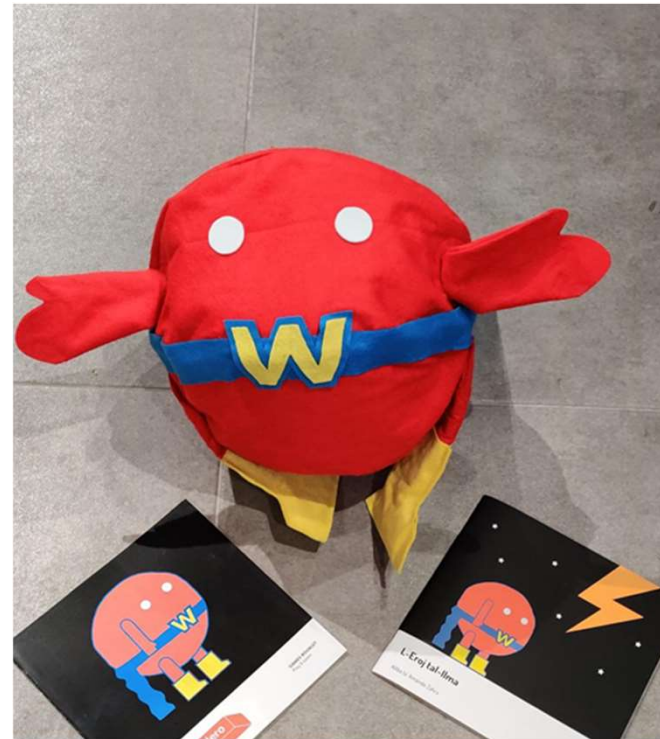
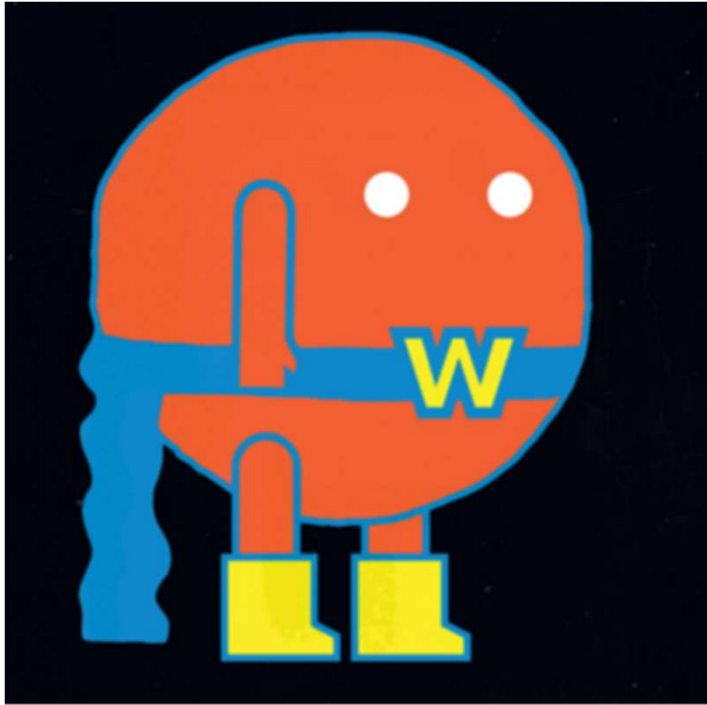


<https://ghajn.gov.mt/>

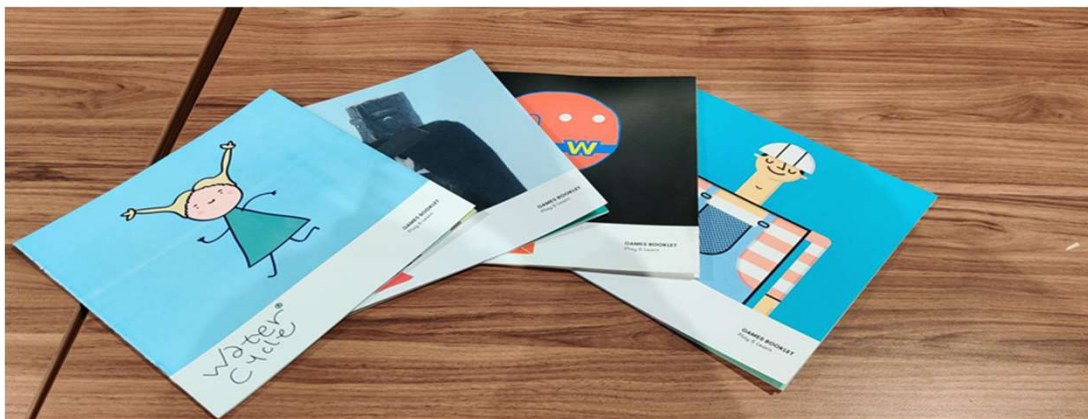
THE RENEWABLE PUPPETS



THE WATER HERO TEACHING AIDS



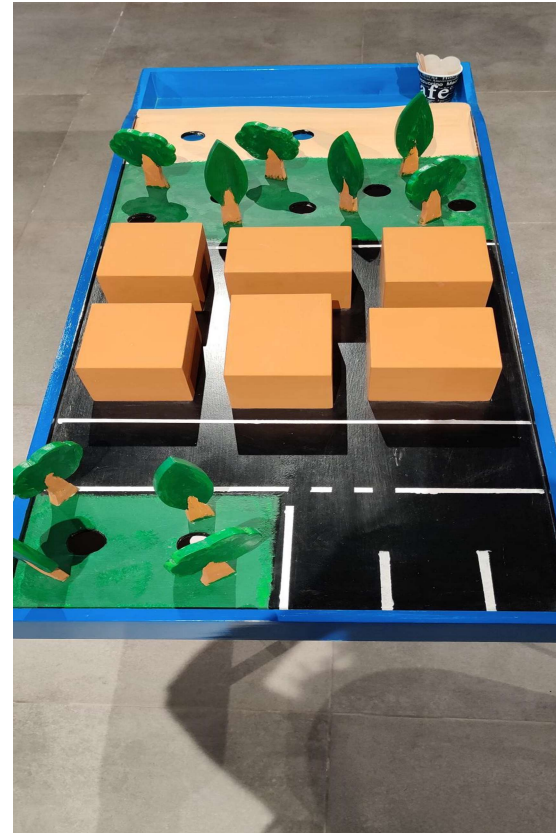
EXERCISE BOOKS:



ADAPTED CLASSIC GAMES



Jenga

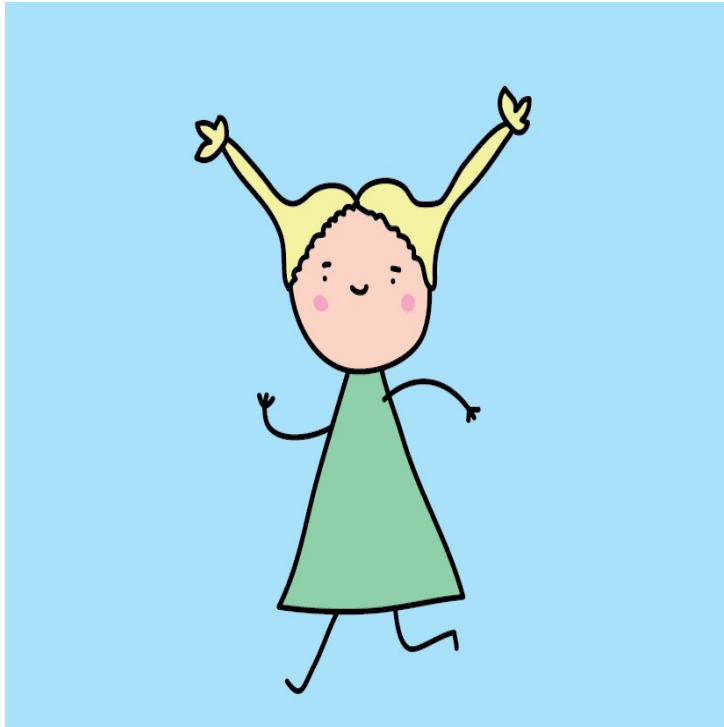


Flooding Game



INTERACTIVE GAMES: BIG SCREENS

THE WATER CYCLE



- The water cycle
- Issues of nitrates
- Main polluters of water

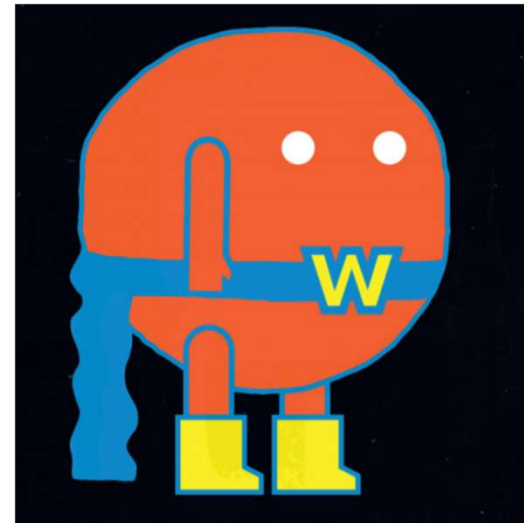
THE FAIRLY HYDRATED KNIGHT

- Water management practices (history to present day)
- Conservation of natural water resources



THE WATER HERO

- Efficient water use at home
- Aerators, volume reducers, efficient showers & dual flush
- Greywater system
- Rainwater harvesting



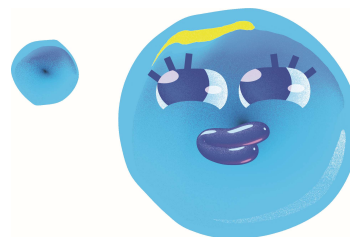
THE UTILITY OPERATOR

- Provision of water services
- Link between cost and energy use
- Problem solving
- Critical thinking
- Teamwork



THE RENEWABLES

- Introduction to 4 renewables.
- Advantages
- Climate Change
- Maltese Scenario

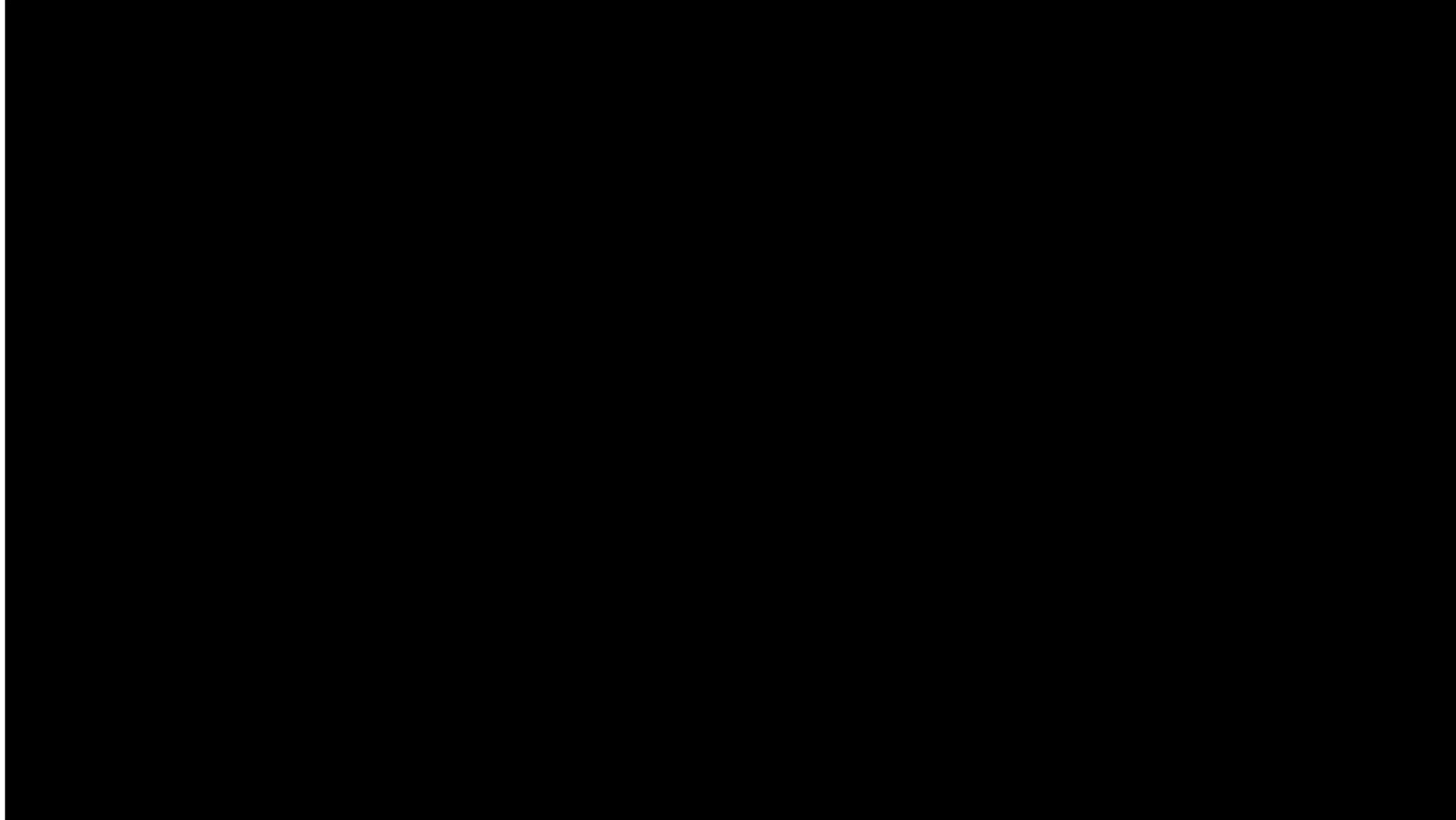


THE ENERGY HUNTERS

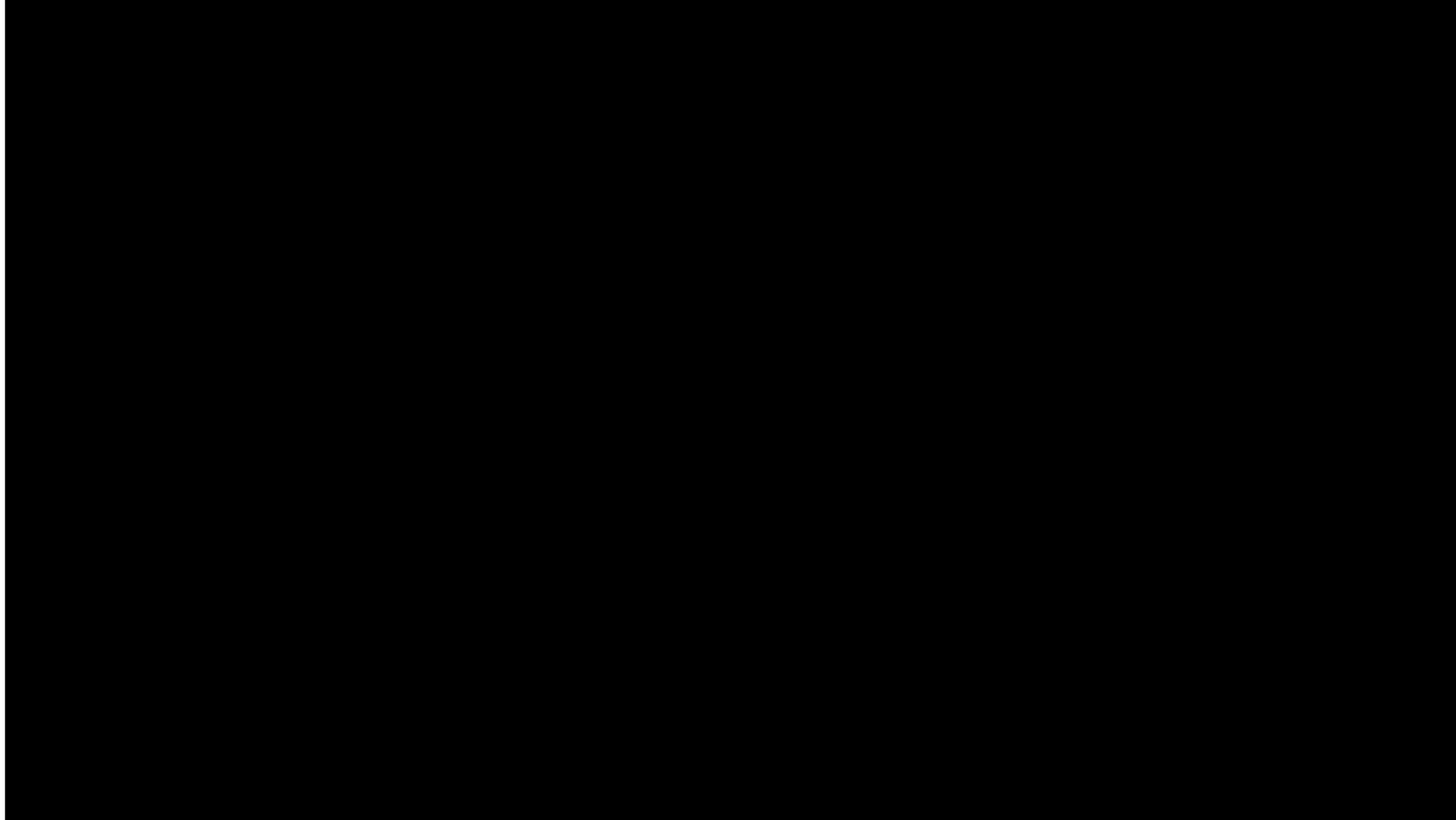
- Energy Efficiency
- Conservation of Energy
- Climate Change



EVENTS: OPEN WEEKEND 2022



EVENTS: EHD 2022



OUR FOCUS

To raise awareness towards...



Thank You