

## S8 :Digitalization and Innovation for Heritage and Culture

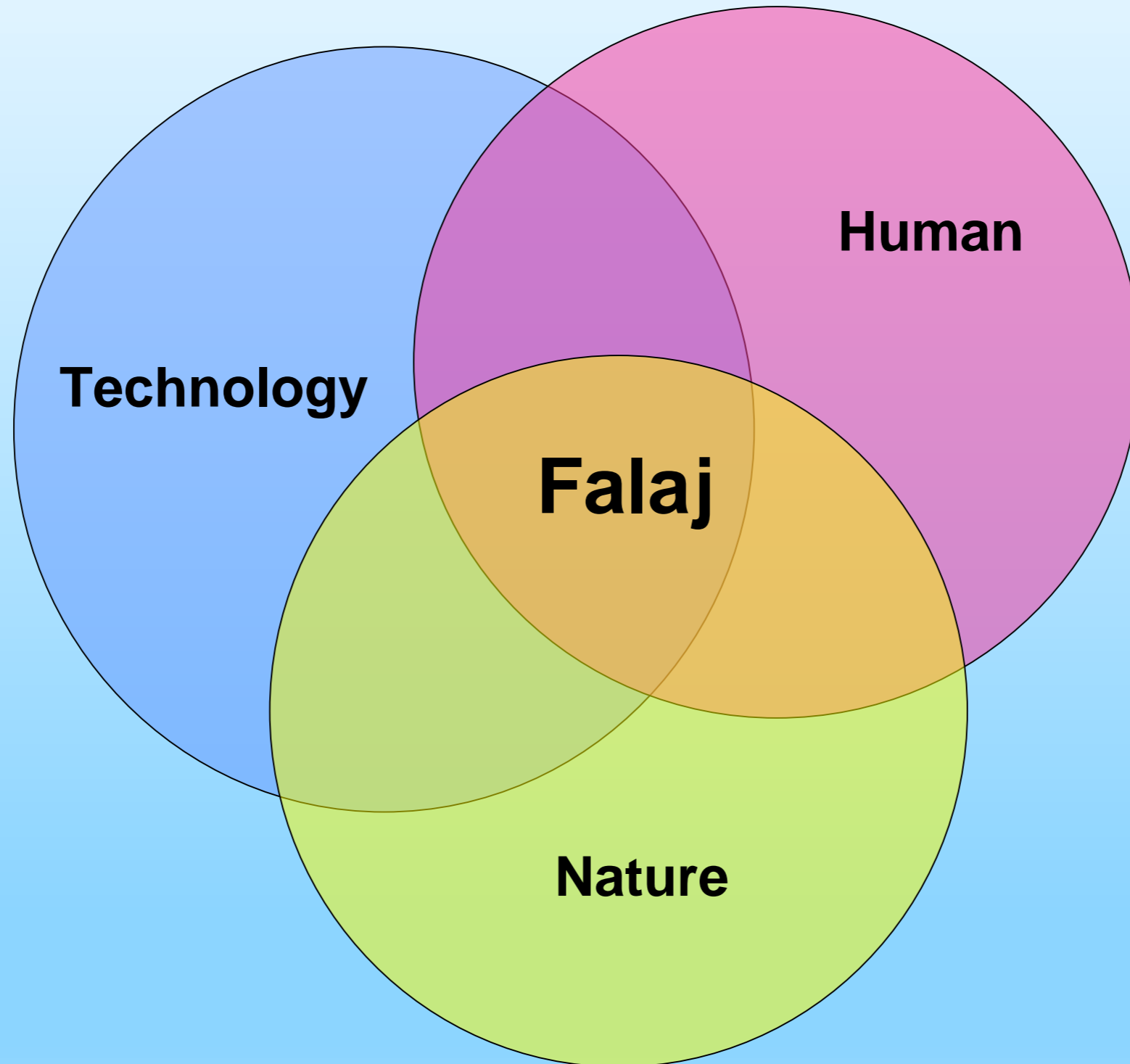
# Aflaj Museum: Design and Concepts

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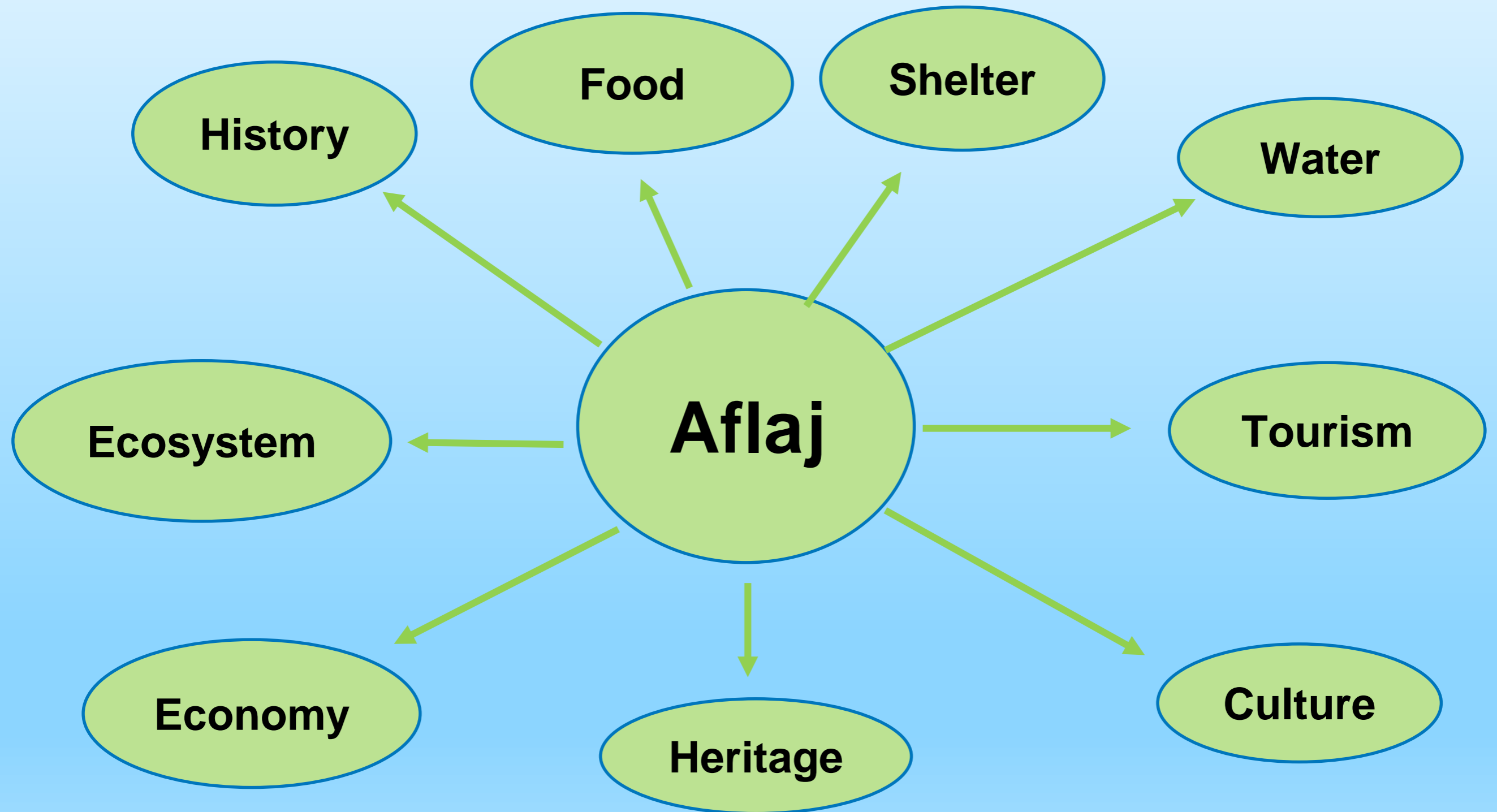
Muscat, Oman, September 18th, 2022

# *Falaj systems*



*Oman is the gift of aflaj!*

# Why Aflaj are important?





**Countries with systems of water sharing like Aflaj  
(Aflaj, Khattara, Qanat, Karez, Saqiya, Foggara, Mambo, Galerias, Puquio,  
Ingruttati, Surangam etc)**

# Philosophical concepts

- Water heritage is extended to the start of life, and it is ongoing
- We do not own the water-ecosystem, we are part of it
- Water problems are anthropogenic
- Technology is just a tool not a goal
- Should not assume previous knowledge

# Mission

- Education
- Documentation (tangible and nontangible heritage)
- Preservation (Physical and digital)
- Awareness
- Amusement

# Targeted groups

- All people
- Special showcases for:
  - 3-5 years old
  - 6 to 10 years old
  - 10 to 14 years old

# Location

- Expandable
- Easy to access
- Away from noise and other pollution
- Close to model aflaj
- Away from possible floods and other natural risks



# Showcases

- Scientific concepts
- Future challenges (*Example climate change*)
- History
- Tangible heritage
- Non-tangible heritage

# State-of-the-art in museology

- Virtual reality games
- Holography
- 7d cinemas
- Digital geometry
- Laser
- GIS

# Selection and display of exhibits

- Direct link to the themes and up to date
- Scientifically proven and correct
- Concise, simple and direct language
- Integrated
- Rise curiosity
- Has fun
- Safe to use
- Asceses to special needs

# It is not just a museum!

- Research center
- Library
- Labs
- Database
- Academy

# THANK YOU!

