

نتقدم بثقة
Moving Forward
with Confidence



Ministry of Higher Education,
Research & Innovation

إيجاد
EJAAD



EJAAD

Contributing to Knowledge Based Economy

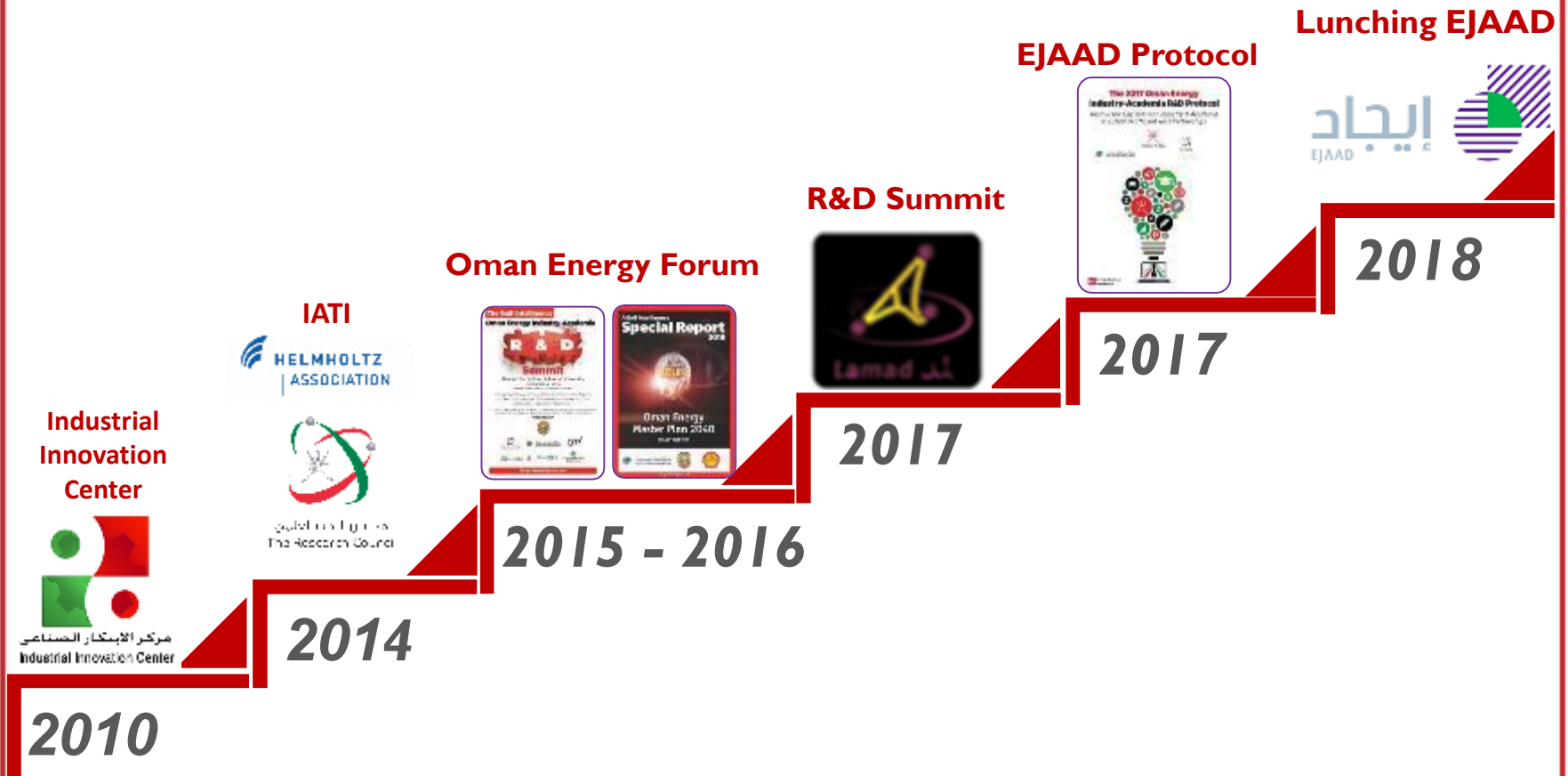
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EJAAD Journey



Why EJAAD ?

OEF 2015

Addressed 5 Key streams :



ENERGY DEMAND



ENERGY SUPPLY



R&D



LABOR



W.F.E NEXUS

outcomes : Oman Energy Master Plan 2040

OEIA R&D Summit 2016

- Misalignment
- Ineffective communication with industry
- Time-consuming to explore projects with industry
- Contracting process
- Staff mobility
- Financial Support
- Lengthy Contracting Process
- Capabilities and Capacities Unknown
- Least Collaboration with International Institutions
- Inadequate Collaboration between Local Institutions



The 2017 Oman Energy IA R&D Protocol



EJAAD LUNCHING

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EJAAD Services



Industrial Challenges

Marketplace for industry to present challenges and for academia to propose solutions



Researcher Network

Access to +1000 researchers based in Oman



Research Ideas

Leverage fund / support for groundbreaking research ideas & solutions



Equipment & Facilities Database

List of R&D equipment in academia & industry



Staff Mobility

Secondment of expertise from academia to industry and vice versa



Studies

A hub of expertise for seeking an advice within a particular field



Tech. capability Program

One-stop-shop for training, short-courses & workshops



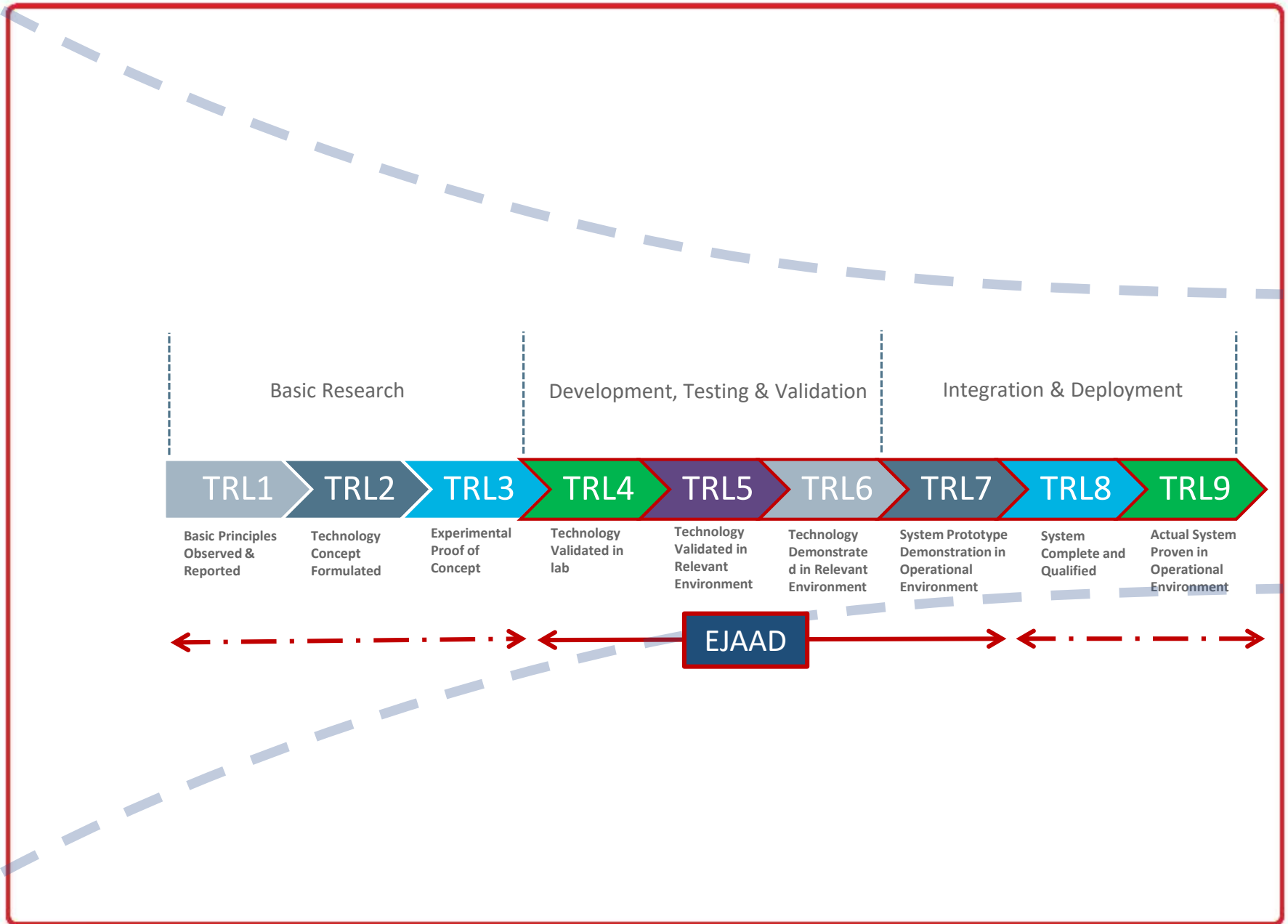
Int'l Collaboration

Access to international academia and industry

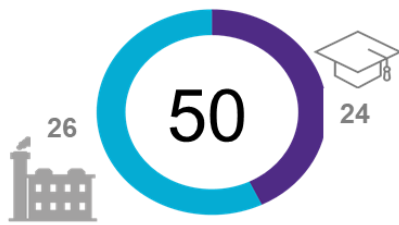
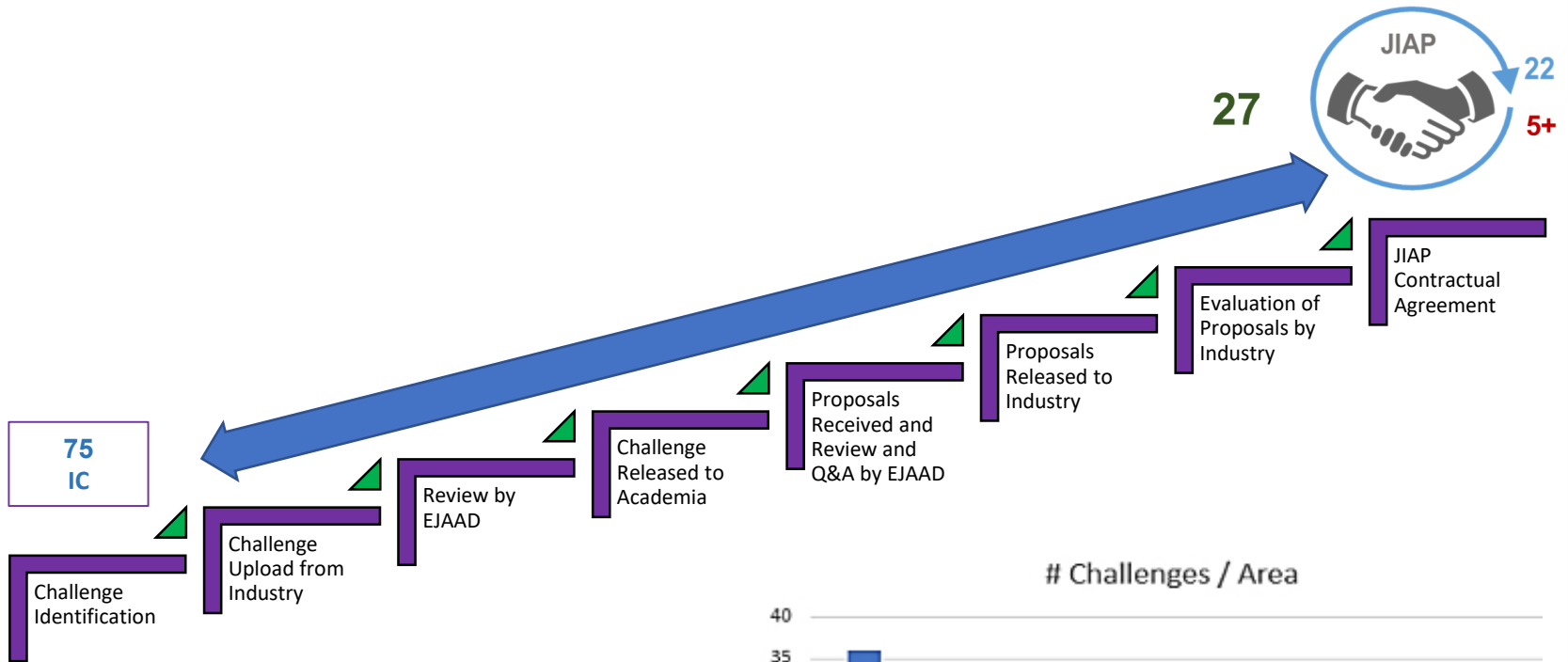
EJAAD Stakeholders



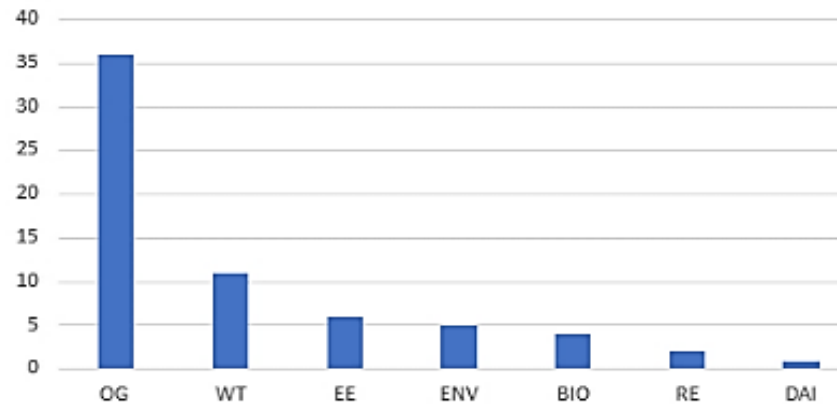
Jan.2021



EJAAD Achievements (2017-2021)



Challenges / Area



Promote: industry-industry, academia-academia collaboration

Selected Examples :

Water – Bioeconomy

Utilization of produced water as a growth medium for algae cultivation and biofuel production



Environment

Quantitative Survey on End-of-Life Tires (ELT) Generated in the Sultanate



Oil & Gas

Visual and microscopy check on the damaged wire - Sand screen failure



Renewable Energy

Solar Panel Efficiency in Oman



EJAAD Projects, Studies and Services

1. 4th IR Revelation

PDO study on the impact of the fourth industrial revolution, jobs, jobs in the oil, gas, and printing sector. The fourth industrial revolution in employment, stable positions, libraries and school, job opportunities over the five hundred to ten, and the big path



2. IOT

A memorandum of understanding with Oman LNG, to conduct a large-scale consultancy study on the impact of applying Internet of Things technologies on the workflow and workforce in the company and in the industrial sector in general, and to discover the set of technical skills and training courses required to align with the upcoming technology.



3. Kafaa

An agreement with Petroleum Development Oman to conduct a consultancy study on improving energy and water efficiency on the company's contractor community in the Fahud Industrial Estate. The results of the study will provide a good understanding of consumption behavior, trends and gaps, and will be used to develop the company's roadmap in the field of energy and water efficiency.



EJAAD Projects, Studies and Services

4. Hydrogen Feasibility Study

Feasibility study: Introducing hydrogen as an alternative energy source in the Sultanate of Oman In cooperation with the Ministry of Energy and Minerals.
Value and Opportunities: Evaluate and develop a new economic sector in the Sultanate of Oman with annual export potential and new job creation.



5. TMs

Workshops to explore technical opportunities and challenges, Asyad Haya Group and other companies.



EJAAD 2021

The Steering Committee Of EJAAD Reviews The Operational Plan



Ref: 24.03.2021

Steering Committee Members

| No. | Candidate's name | Job title | Organization |
|-----|---------------------------------------|---|--|
| 1 | H.E. Dr. Saif Bin Abdullah Al-Hiddabi | Undersecretary for Scientific Research, and Innovation | Ministry Of Higher Education, Research ,and Innovation |
| 2 | H.E. Dr. Ali Bin Amer Al-Shidhani | Undersecretary for Communications And Information | Ministry Of Transport, Communications And Information Technology |
| 3 | Dr. Amer Bin Saif Al-Hinai | Vice President Of Scientific Studies And Research | Sultan Qaboos University |
| 4 | Eng. Youssef Bin Suleiman Al-Azri | Petrophysical | Ministry Of Energy and Minerals |
| 5 | Dr. Khamis Bin Saeed Al-Munir | Director General Of Madain Industrial Academy | General Organization For Industrial Zones - Cities |
| 6 | Abdul ALAmir Al- Ajami | Director Of Foreign Relations Affairs And ICV | Oman Oil Development Company |
| 7 | Dr. Abdullah Bin Mohammed Al-Mahruqi | Head Of The Center For Industrial Innovation | Ministry Of Trade And Industry And Investment Promotion |
| 8 | Dr. Salem Al-Abri | Assistant General Manager Of Programs And Quality Assurance | Ministry Of Higher Education, Research and Innovation |
| 9 | Atef Bin Saeed Al-Sayabi | Head Of Information Management | Oman Investment Authority |
| 10 | Mohammed Bin Abdullah Al-Adawi | Oman Chamber Of Industry And Commerce | Oman Chamber of Commerce And Industry |
| 11 | Dr. Sausan Said Al-Riyami | Director of EJAAD | Ministry Of Higher Education, Research and Innovation |

EJAAD activities for 2021



EJAAD Members



IC



Research Idea



JIAPs



TM
Workshop,
Scientific Event



International Cooperation



i-lab



Framework



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Thank you