

ECO Science Foundation

**A Catalyst for Promotion of STI and
IBSE in ECO Region**

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President

ECO Science Foundation (ECOSF)

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www.eco4science.org

**19th COMSAT Coordinating Council Meeting,
Islamabad-Pakistan, 17-18 May 2016**

ECO Science Foundation (ECOSF) and the ECO Region

IGO of 10 Member States with Natural Resources



Objectives of ECOSF

- Function as a reservoir of highly skilled scientific and technical manpower in ECO
- Facilitate promotion of scientific research & collaboration leading to Economic Development among the member states
- Promote and Popularize Science at grass root level (**IBSE**, Science Expos etc.)
- Harmonize ST&I policies of ECO countries

Activities of ECOSF

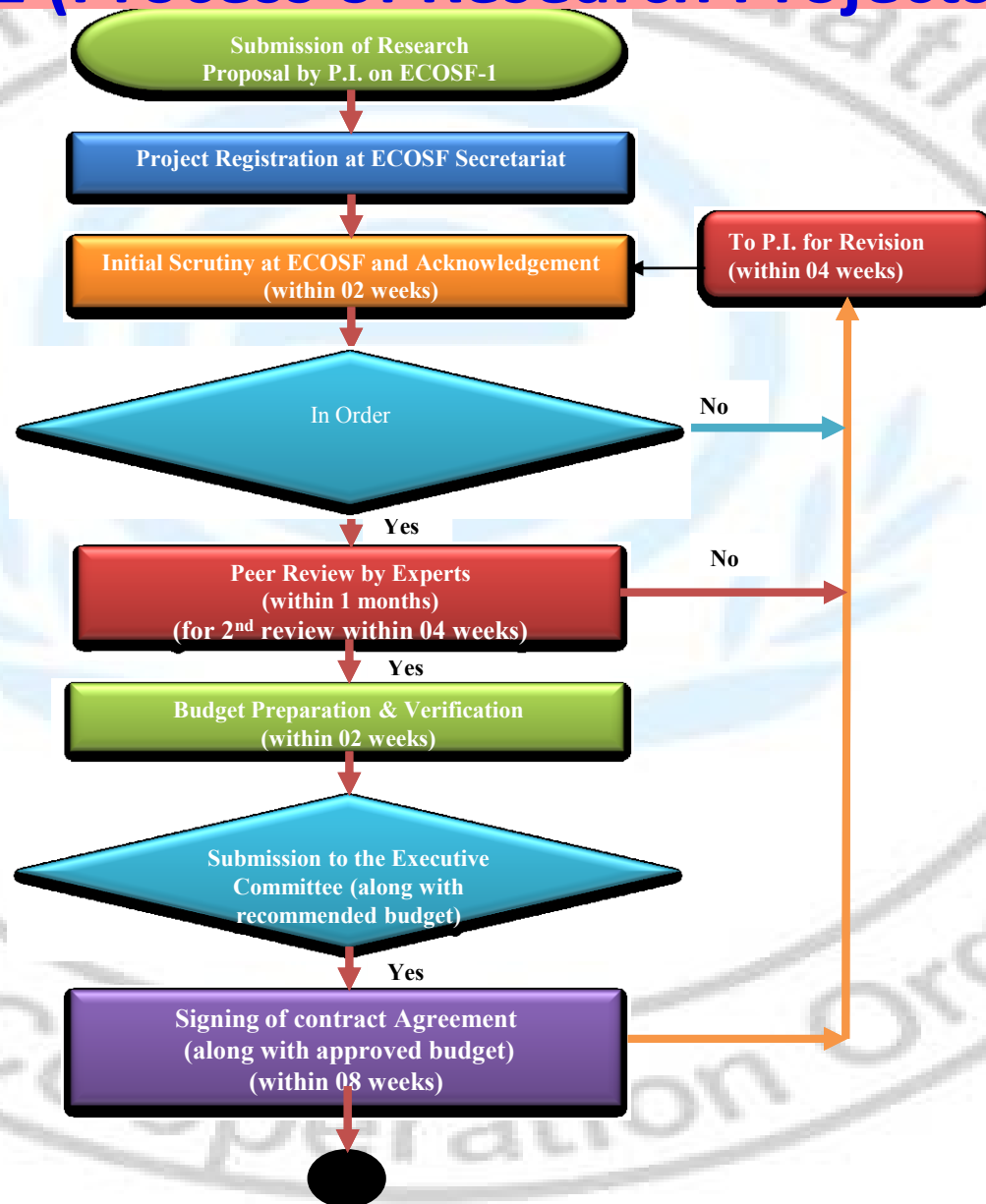
- **Funding and Coordination of Scientific, Technological & Innovative Research:
R&D-University-Industry Linkages**
- **Organization and Funding of Capacity Building/ Training Workshops**
- **Holding & Funding of STI Conferences**
- **Exchange of Scientists & Travel Grants**
- **Funding of key Science Popularization Activities**
- **Promotion of IBSE in ECO Region**

S&T Fund of ECOSF

- Funding of Scientific and Technological Research
- Funding of R&D-Industry Programme
- Funding of Training Workshops
- Funding of Science Conferences and Travel Grants
- Funding of key Science Popularization Activities
- Implementation of IBSE in the ECO Region

Approved Standard Procedure (Flow-Chart) for Processing of Research Projects of ECO Science Foundation

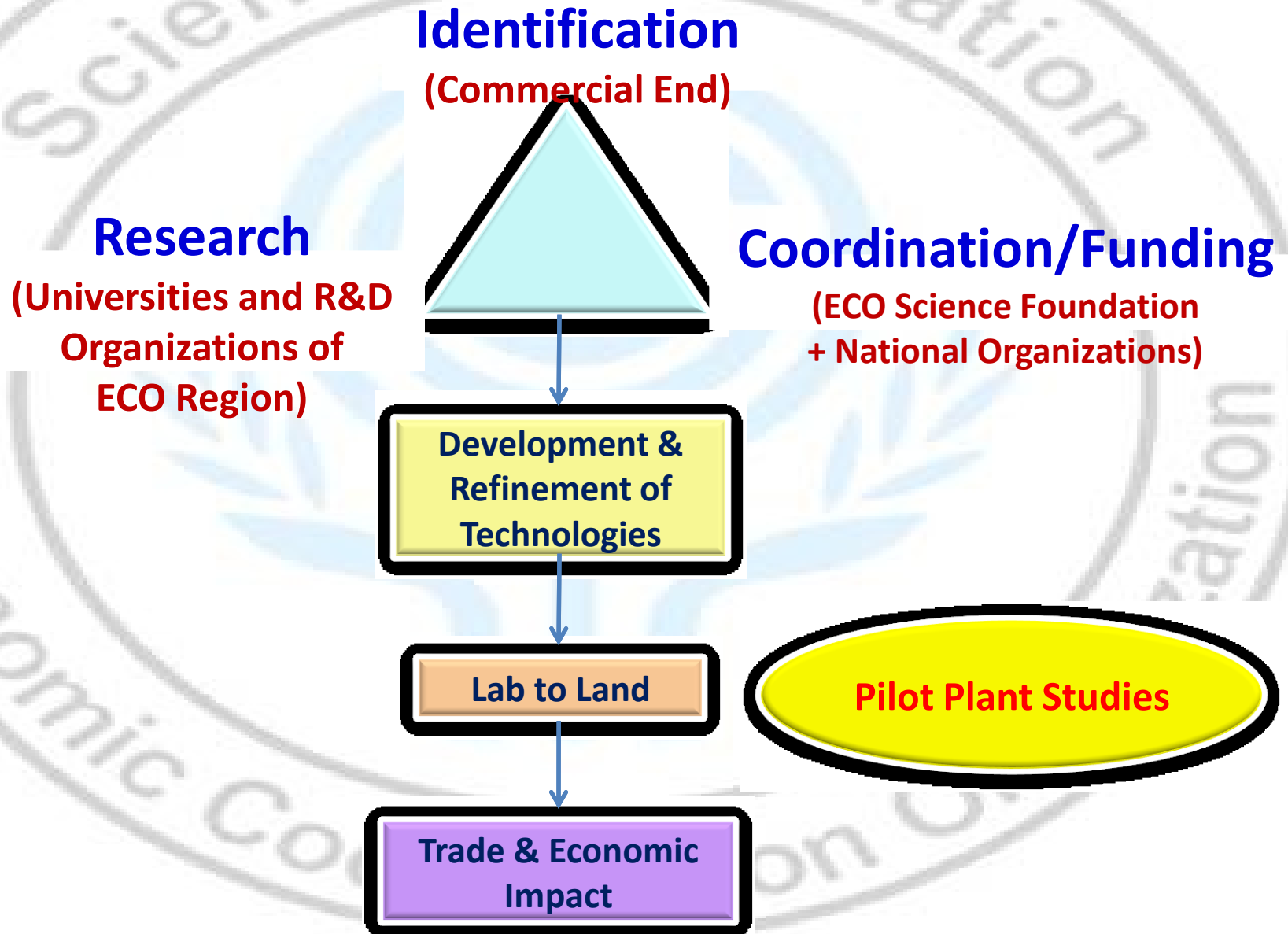
Step 1 (Process of Research Projects)



Step 2 (Process of On-Going Projects)

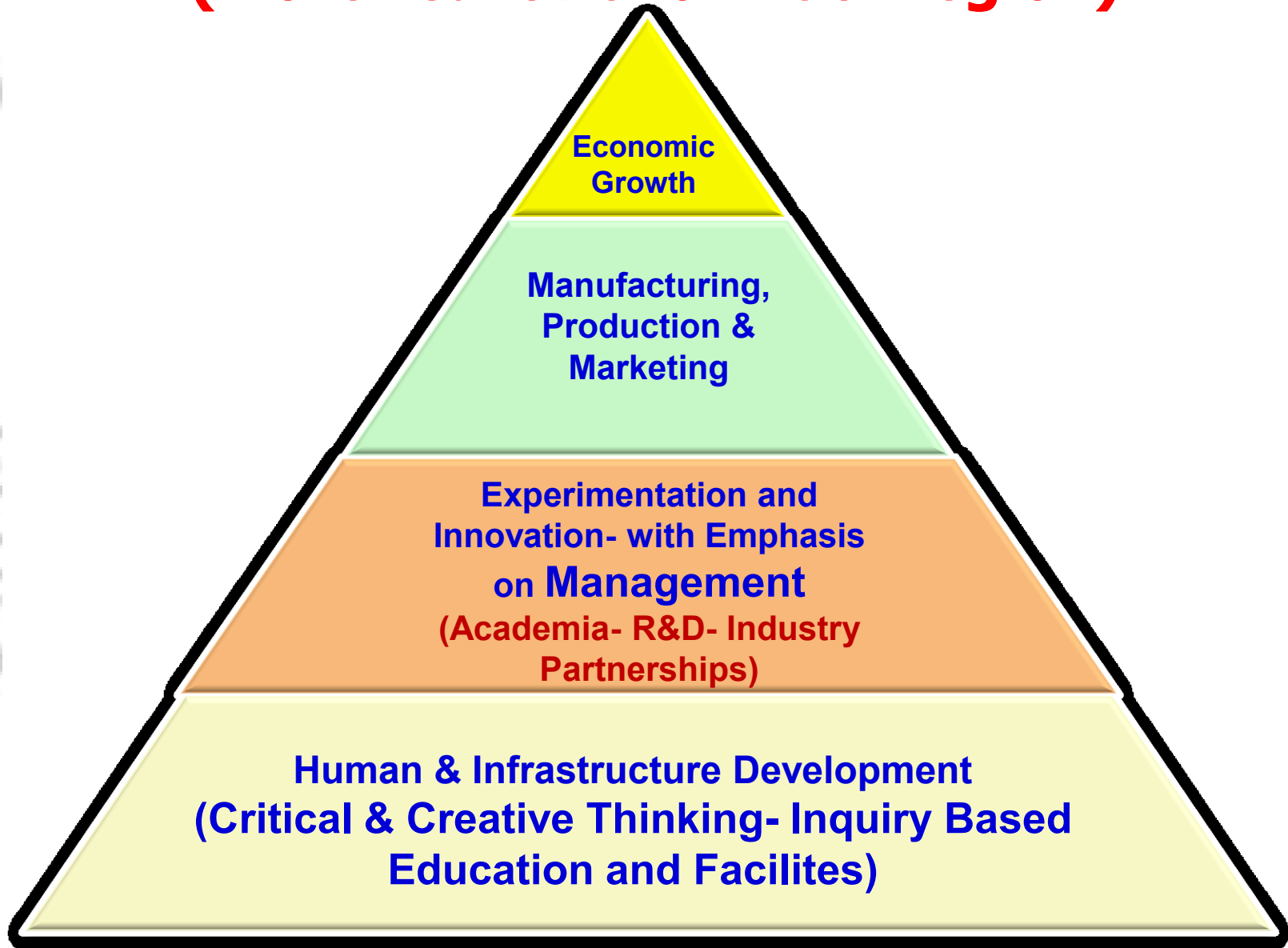


R&D Funding Model

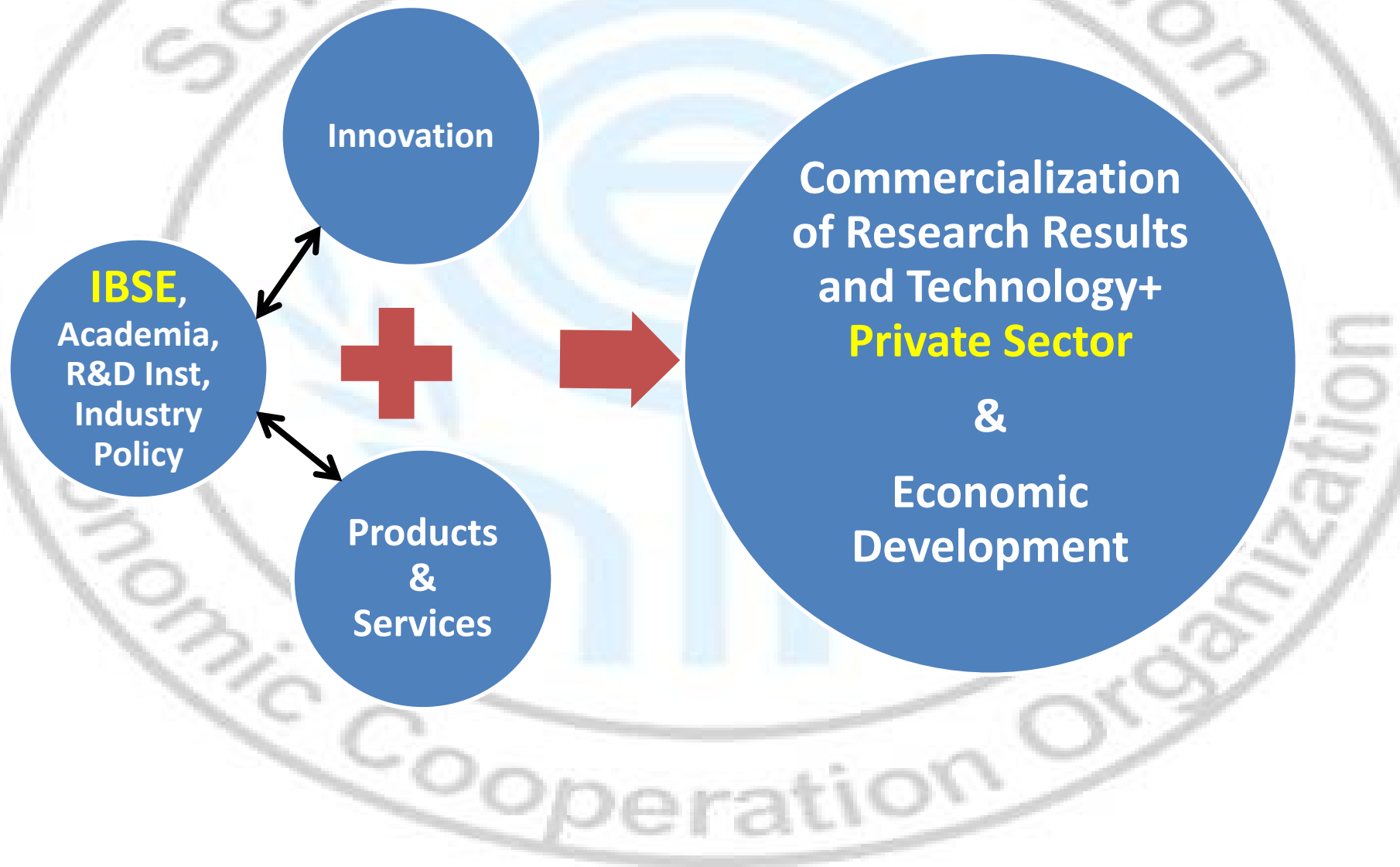


Strategic Steps for Development

(More realistic for ECO Region)



Strategic Tools for Economic Development (ECOSF)

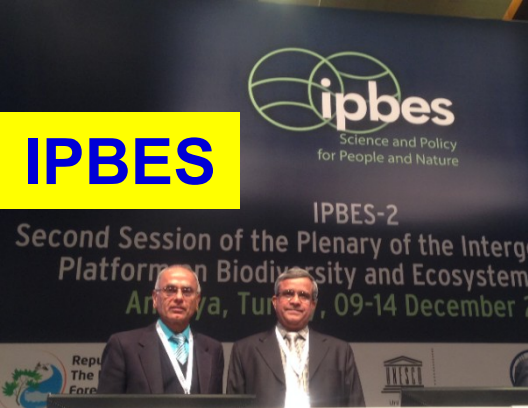


Strategic Partners of ECOSF



ISTIC Malaysia

EvK2-CNR Italy



IPBES



IPBES-2

Second Session of the Plenary of the Intergovernmental Platform on Biodiversity and Ecosystem Services
Antalya, Turkey, 09-14 December 2018



ASTN Korea



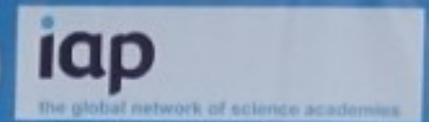
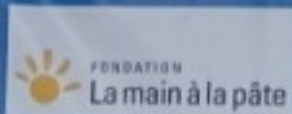
LAMAP France



**Milestones of
Intl Cooperation of ECOSF**

Initiation of Inquiry Based Science Education (IBSE) in ECO

Thanks to ECOSF Collaborators!



IBSE Capacity Building Workshop, Astana- June 2015



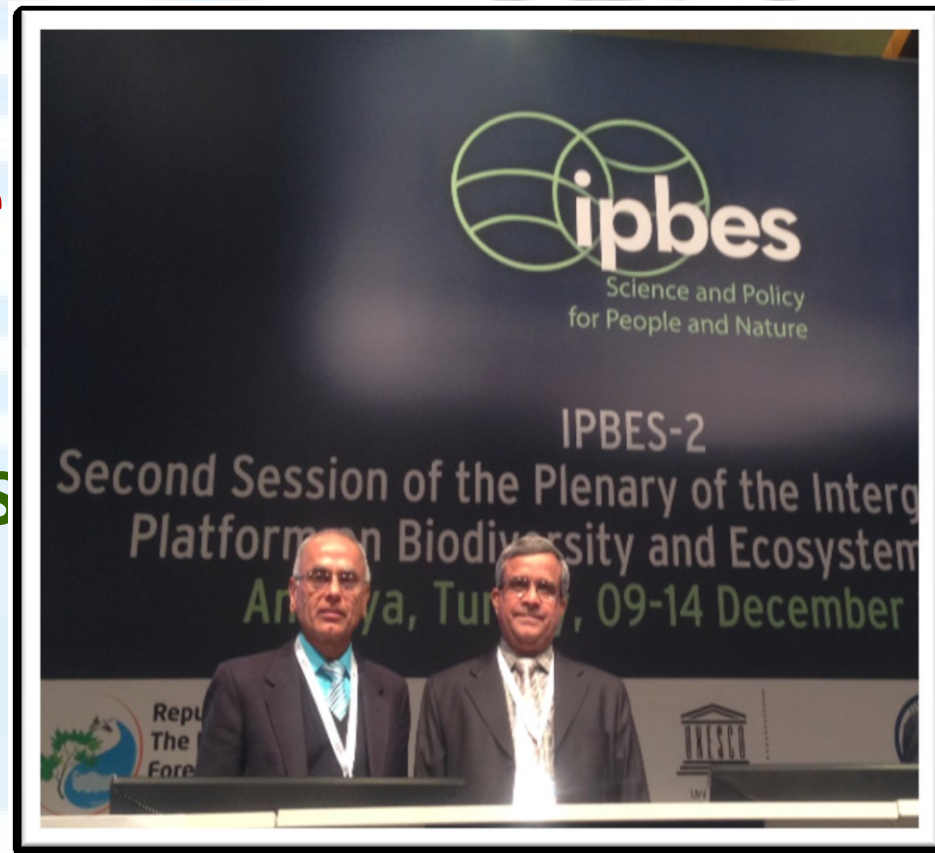
IBSE Workshop in Astana, 22-25 June 2015



ECOSF as Accredited Observer-Stakeholder of IPBES

ECOSF has the status of Accredited Observer/Stakeholder of IPBES since 2013 with a role to provide scientific input in the work program of IPBES and nominate experts for assessment & reviews etc. Numerous experts have been nominated.

[<http://www.ipbes.net>]



**ECOSF President and the GoP
Representative Mr. A. Munaf Qaimkhani
in IPBES Plenary-2, Dec 2013**

ISTIC Return Home to UNESCO

Seminar at UNESCO-Paris, 27 Sept 2013

[President ECOSF & ISTIC Team with DG UNESCO]



ISTIC - ECOSF Cooperation for Capacity Building in
IBSE, ST&I Policies and Technopreneunership
in the ECO Region agreed in principle on the occasion

ECOSF Collaborations- ISTIC

**President ECOSF Appointed as
Governing Board Member of
ISTIC Kuala Lumpur- Malaysia**



2014



2015



ECOSF Collaborations- EvK2CNR

**MoU signing with President of EvK2CNR
Foundation- Italy, for research cooperation in high
mountains of ECO region, April 2014**



Islamabad 23 April, 2014. Zahid Hamid Federal Minister for S& T and delegation of Italian embassy in Pakistan witness the signing of MoU between Economic Cooperation Organization, Science Foundation (ECO-SF) and EvK2CNR chartered association, an Italian Foundation (EvK2CNR)

ECOSF Collaborations- PAS (The Vatican)-Children & Education

Ethics and Education in
Pakistan- Principles, Policies
and Practices



ECOSF Collaborations- (ECO-IEST)

ECO Institute of Environmental
Science & Technology and
Dept. of Environment, Iran
(Forum on Environmental Ethics)



Vice President of Iran for Environment,
H.E. Dr. Mrs. Ebtekar opening the
Forum at Dept of Environment



ECOSF Collaborations- ISRER, Azerbaijan

**Institute of Scientific Research
in Economic Reforms (ISRER) /
ECO Economic Research
Centre, Baku- Azerbaijan
(Baku Economic Forum Oct 1-3,
2014)**



**H.E. Mr. Shahin MUSTAFAYEV,
Minister of Economy and Industry
of the Republic of Azerbaijan
(centre) inaugurated the Forum.
Secretary General of ECO (right)
was also present in the Forum**



ECOSF Collaborations- FCC

ECOSF-FCC International Conference on Life Sciences (9-11 Oct 2014) at Lahore



Organized by ECOSF and FCC - Lahore

International Conference
Emerging Trends in Life Sciences
for Sustainable Development
9-11 October 2014

Environment



Agriculture



Health



Call for Abstracts/Posters
Deadline: 30 August, 2014
etls2014@fccollege.edu.pk

Venue: Forman Christian College
(A Chartered University)
Lahore, Pakistan

For more Information:
www.fccollege.edu.pk/etls2014

Partners



Sponsors



Food Security

Sustainable
Development

Biosafety &
Biosecurity

Healthcare &
Nutrition



ECOSF Collaborations- IAP

**IAP SEP: IBSE in Pakistan
and the Prospects for ECO
Region- IAP SEP Conf on
Education, Beijing-China
28-30 Oct 2014**



**IAP SEP Meeting in Kuala
Lumpur, May 2015**

1st Asian Innovation Forum

25-26 August 2015

ECOSF joined as a founder members of ASTN among 15 Organizations from across Asia and their CEOs/Heads/ Representatives signed a broader agreement of cooperation.



1st Asian Innovation Forum

25-26 August 2015

Group photo of 1st AIF leaders and speakers, 25 August 2015

President ECOSF Prof. Dr. Manzoor H. Soomro giving his remarks during the Forum's Proceedings



ECOSF Collaborations

COMSATS-ECOSF Joint Symposium on
“Science Communication and Journalism”



World Science Day – Nov 2014

(COMSATS-ECOSF-UNESCO)





**ECOSF and COMSATS
are logical partners and
We Should Join Hands for projects
in common member states**

Thank You!



IBSE Promotes Inquiry “*to instill the willingness to explore new ideas and reliance on evidence and logic*”





What is IBSE?



The objective of IBSE is: Promoting Inquiry
“to instill the willingness to explore new ideas and reliance on evidence and logic”



IBSE Builds Understanding of Scientific Concept through Investigation

Inquiry Based Science Education (IBSE) involves the progressive development of scientific ideas through conducting children's own investigation while building knowledge and understanding of the world around them.

IBSE is a process in which not only facts are explained but where questions, problems and scenarios are presented to the pupils.



IBSE Fosters Mental Activity

- **It develops science concepts by exercising students own physical and mental activity.**
- **It includes direct observation and investigation of materials and phenomena, consulting information sources such as books, experts, the internet and discussion with others in which ideas are shared, explained and defended.**





IBSE Provides young people with relevant contexts and practical experiences of scientific processes, which boosts their participation in the classroom.



IBSE Boosts Scientific Approach to Solve Social and Political Issues

The openness of IBSE to the real, empirical world, as well as its emphasis on experimentation, problem-solving and critical thinking, makes it a particularly well suited approach to address all types of scientific, societal and political issues.



ECOSF is Promoting Science Education through IBSE at School Level in ECO Region

- **Because the Great University Scholars and Scientists are actually nurtured at Schools!**
- **IBSE is a step forward to ensure sustainable supply of young talent for linking advance research and industrial development to address the UN Sustainable Dev Goals- SDGs.**
- **Mainly the SDGs- 4&5.**



UN SDGs 4 & 5

- **SDG-4 Education:** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all, and
- **SDG-5 Gender Equality:** Achieve gender equality and empower all women and girls.
- At least 50% of world population is girls & women, and if we do not utilize and encourage them to contribute in the societal development, it means, half of our talent will go waste!
Thus it is **MUST** to encourage females to participate and contribute.





Thank You
&
God Bless you all

