Country Action on ESD for Youth, Student and Community

System: Learning, Doing, Problem Solving, Based Community, Sustainable, Evaluating, Continues improving, Learning......

Dr.-Ing. Ir. Agus Maryono and IRRM Network Members (Administrator/Coordinator IRRM)
General Echo Workshop UGM
Indonesia
ESD TEAM INDONESIA

Group photo session at the beginning of workshop activities at Day 1
Working Together for ESD

The participants along with the speakers holding their hands together showing their commitment to succeed the Global Goals started from their institutions
Making Action Plan

The participants are presenting the action plan
Recommendation

This General Echo Workshop needs to be regularly conducted and need to be followed by affirmative actions. A lot of the participants are excited to continue learning about Education for Sustainable Development. Some of them are even admitting that the facilitators of this workshop have opened their eyes to be more aware of Sustainable Development Goals. Most of them suggested that workshop like this should be done periodically to see an evaluate the progress of the participants as they are all come from a different institution. As this is the first time for us in conducting the workshop, we believe that there are still a lot of things that need to be fixed and improved. It is hoped that in the next event, there will be practical activities that more real to be executed by the participants and implement things they learn from the field trip in the class sections so that the class can be more alive and vibrant.
Supporting the Global Actions-UNESCO on ESD

• Local Action
• District Action
• Province Action
• Country Action
• Regional Action
• Global Action
National Issues

- Water
- Energy
- Food
- Culture
Water is Crosscutting Issue

- Water $\rightarrow$ Life
- Water $\rightarrow$ Energy
- Water $\rightarrow$ Food
- Water $\rightarrow$ Culture
Water ➔ Central Issues for ESD

- River
- River Restoration
- Rain
- Rain Water Harvesting
Way River and Rain..?
But,
River

Settlements move Closer and Closer to the Rivers
People Treat Rivers as a Waste Disposal

Panumpu, Makasar, Desember, 2004
Unused Rainwater (3000 mm/year)
Drinking Water Scarcity

Dr. Agus Maryono, 0811 254 254, agusmaryono@yahoo.com, UGM 16
Floods

Dr. Agus Maryono, 0811 254 254, agusmaryono@yahoo.com, UGM
The Problems of almost all Rivers in Indonesian Cities
How is the best way to Act..?

- **Program**
  - Less spirit, regular, limited with Ending

- **Movement**
  - High spirit, continues improv., every body and group can take part, self initiative-responsible, unlimited ect.
Who/what is the Key Stakeholder..?

- UNIVERSITIES
- COMMUNITIES
- NATIONAL and LOCAL GOVERNMENTS
- PRIVATE SECTORES
What University has...?

UGM, UII, UMY, UIN, UNY, USD,

Knowledge Development

Initiation

Students and Lectures

Motivation

Network Development
Community Services in UGM, UIN, UNY, USD, UMY

- Student Community Services
- Lecturer Community Services
- Study Program Community Services
- Study center community Services
Start the River Restoration Movement and Rainwater Harvesting Movement
UGM as Initiator of the Movement
Involve all Knowledges, Student and Experts
Network Development

 Irving M
 IRWH M

 Local Community
 Public work for Water resources BBWS
 Forest and Environment ministerial (KLHK)-province
 Province Disaster Resilience Institution (BPBD)
 News papers, TV and Radio
 NGOs and International agencies
 Private sectors in province
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 Province Disaster Resilience Institution (BPBD)
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 Public work for Water resources BBWS
 Local Community
 Irving M
 IRWH M

 UGM and

 Local Government

 Network Development

 Irving M
 IRWH M
Working with Community ---RESTORATION MOVEMENT
Development of River Communities (2001 - Now)

Komunitas Boyong Selatan – Plemburan Sleman 2008

Komunitas Peduli Code (KOMPAC) Blunyah gede Sinduadi 2004

Komunitas Sayidan Prawirodirjan – Kota 2004

Forum Komunikasi Code Selatan (FMCS) Brontokusuman-Kota 2004


Komunitas Romo Mangun Kotabaru – Kota - 2000

Gerakan Cinta Code Keparakan – Kota - 2000

2010 ---PEMERTI KALI CODE (CODE COMMUNITY YOGYAKARTA 2008)

deklarasi pemerti kali code.mp4
Working Together Regularly to Clean up the River
Who/what is the Key Stakeholder..?

- UNIVERSITIES
- COMMUNITIES
- NATIONAL and LOCAL GOVERNMENTS
- PRIVATE SECTORES
E-Communication Approach
→ fast and cheap
Networking Approach → Connecting each group → suits for Large, Archipelago Region
ESD- Action and Movement After ECHO WORKSHOP UGM
Community based Approach → (SDGs)

To success in SDGs we need “Community Involvement and Movement”
Country Action
Based on NETWORK Development
for River and Rain-Movement

GERAKAN MOVEMENT !!!!!!
DINAMIC NETWORKING
58 WA Groups River Restoration and, 18 WA groups of Rainwater Harvesting Movement

Grows very fast supported by WA group
ESD is Back Bone of Indonesian River Restoration and Indonesian Rainwater Harvesting Movement
RIVER RESTORATION and RIVER SCHOOL MOVEMENT DEVELOP VERY FAST
Opportunity: Regional Network of River Restoration for ASEAN and World
ESD UNESCO Workshop Chiang Ray and in UGM

- Inserting the ESD Conception in the IRR Movement
- Inserting the ESD Conception in the IRWH Movement
- Inserting the ESD Conception in the way of thinking and constructing the Curriculum Development for the Teacher Training Institution
- Inserting the ESD Conception in the way of thinking and constructing the Community Services Curriculum
What is in the Curriculum relevant.?

• Community Services ➔

• River School (ESD is already included) Curriculum of river school is already inline with ESD conception)

• Extra Curricular is started with ESD conception (student go river, student services etc)

• Community Services ➔

• Rain WH will one of the community services tool (ESD conception will be used in explaining the benefit)

• Seminar, work shop, lecture and discussion among student lecture and community using WA is already with ESD-SDG topics
River School Education Based Community

Background on the development of Sekolah Sungai: the stream degradation in Indonesia reached 73% in 2017 (according to the Ministry of Environment and Forestry), and the management of rivers today is far from ideal. This River School objectives are to develop the responsibility of the community, transfer of new knowledge and develop the knowledge and understanding of the community about river and environment. The River School produces also media, book, film, comic and history in order to support the social economic environment of the community.

The River School Modules are:
1. Concept and Implementation of river restoration
2. River pollution and waste management
3. Empowerment and organization of fishbank communities
4. Development of tourism
5. Disaster risk reduction
6. Improving local economy

Love and Affection are the Souls of Indonesia River Restoration Movement (GRSI)

Yogyakarta River School: Clean Water Day in Sekolah Hing River

Philosophy of the Program:
• The activity is undertaken by the philosophy of community movement
• The activity is able to generate a new movement concerned to the environment and forestry
• The activity is expected to be active in collaboration with all stakeholders
• The organization and activity is using systemic and network approach

River Restoration:
• Hydrological Restoration (water quantity and quality)
• Ecological Restoration (Flora and Fauna of the streams)
• Stream Morphology Restoration (lengthwise and crosswise grooves streams)
• Socio-economic and Cultural Restoration (improving people awareness who live near stream areas)
• Regulation and institution of river restoration (river community groups)

GRSI in Yogyakarta

What's App Group of Indonesian River Restoration Movement since 2018
1. GRSI JRM Yogyakarta
2. GRSI JRM Jakarta-Bogor
3. GRSI JRM Bandung
4. GRSI JRM Surabaya
5. GRSI JRM Semarang
6. GRSI JRM Sunter
7. GRSI JRM Ahaq
8. GRSI JRM Makassar
9. GRSI JRM Aceh
10. GRSI JRM Bangarmasin
11. GRSI JRM Lombok
12. GRSI JRM Manado
13. GRSI JRM Sukatani
14. GRSI JRM Jember
15. GRSI JRM Tualangura

Location: Sekolah Sungai (River School), Yogyakarta
Ph: 0274-727787
E-mail: sekolahsungai@uny.ac.id
Website: www.sungaiyogyakarta.org

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Knowledge Based Approach → ESD → Book and River School

River School organized by IRRM
Lesson Learn from the IRRM and IRWHM will be used for the Integration of ESD Conception on the Curriculum in term of Movement in Global and Country Action

- Curriculum of Community Services Program
- Curriculum on the Teacher Training Course
- Curriculum on any other Faculties
ACTIVITIES-ACTIONS-
Country Action
Country Action from UGM

- IRRM → growing very well in all Indonesian region
- IRWHM → growing well in all Indonesian region
- 7000 Students/Year for Community Services
- 2000 Lecturer/Year for Community Services
- Socialization/Campaign for Integration of ESD Conception on Curriculum
## Steps for Community Empowerment
(prof Irfan P)

<table>
<thead>
<tr>
<th>Awareness and Behavior Formation</th>
<th>toward awareness and caring so that they feel the need to improve the self-ability / capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capability Transfer</td>
<td>Provide basic skills to make them able to take a role in development</td>
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<tr>
<td>Improved intellectual abilities and skills</td>
<td>Shaping the ability to initiate and innovate to be independent</td>
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Time Frame for Community Service Learning

YEAR 0
Inspiring Finding

YEAR I
Problems and Capability Mapping

YEAR II
Programs and Target Determination

YEAR III
Program Execution
Problems and Potential to mapped? Related to Sustainable Development Goals
Mapping of Community Potential
Condition of Cattle, Sheep, and Goat Sheds
Disseminating and Discussing Alternative Ways of Improvement
Training of Champions in Universitas Gadjah Mada
On-site Training for Cattle, Sheep, and Goat Raising
ESD and River Restoration in Univ of Proklamasi Jogjakarta, 19/4/18
ESD-River Ecohydraulic Discussion, in UGM 19/4/18
ESD-Sociopreneur workshop in UGM
8/4/18
World Water Day and ESD, Semarang, 6/4/2014
Rain Water Harvesting (ESD) Exhibition, Semarang 7/4/18
Eco-Hydraulic Practice and River Clean Up, UGM Students
River School, Usman, Jakarta Ciliwung, 21/4/18
Makasar, Daeng Muji
Press Release about RWH and River (ESD Conception)
Misman –Kaltim KarangMumus

Pagi 20 April 2018. GMSS SKM bersama anak anak pungut sehelai sampah sungai karang mumus di area jembatan Kambung Mangkurat, sungai karang mumus memang masih menjadi tong sampah kita diam saja. Begitu sahabat
Kamaludin Jogja, Rainwater Harvesting
Wahyuningsih - Rainwater Harvesting, Sleman Jogja
Visit from RWH and Biopore Activist
Ternate, Moluca to UGM
Pontianak, RWH and River Restoration, Pontianak, Kalimantan -- /3/18
RWH Student and youths learning to build RWHarvester (PAH)
Daeng Muji, Makasar River Action
Tri Budi, Jogja, Tubing and Clean up river Tambakbayan, 22/4/2018
The Winner, Tri Budi, Jogja, Tubing and Clean up river Tambakbayan
Country Action from UIN

- IRRM → Starting to develop
- IRWHM → Starting to develop
- 5000 Students/Year for Community Services
- 1000 Lecturer/Year for Community Services
- Socialization/Campaign for Integration of ESD Conception on Curriculum in Univ level
Seminar on ESD in Islamic State University UIN Jogja, 19/4/18
Dr. Agus UGM
Dr. Isti UIN, 19/4/18
Country Action from UNY

- IRRM → Starting to develop
- IRWHM → Starting to develop

- 5000 Students/Year for Community Services
- ca. 500 Lecturer/Year for Community Services
- Socialization/ Campaign for Integration of ESD Conception on Curriculum in Univ. level
Country Action from USD

- IRRM → Starting to develop
- IRWHM → Starting to develop
- 2000 Students/Year for Community Services
- Ca. 500 Lecturer/Year for Community Services
- Socialization/ Campaign for Integration of ESD Conception on Curriculum in Univ. level
ESD Country-Global Action “Movement in Indonesia”

• Indonesian River Restoration Movement (IRRM/GRSI)
• Indonesian River School Movement (IRSM)
• Student Goes to River Movement (SGRM)
• Indonesia Rainwater Harvesting Movement (IRHM)
• Indonesian Women (Sri Kandi) River (SSI)
Conclusions

- Local action base movement is going rapidly
- Country action based movement is moving forward,
- Regional action can be initiated now
- ESD integration in Curriculum in community services for example in River School and Rainwater lecture in starting to Implement
- ESD integration in Curriculum for Teacher Training institution is started.