

**A Report on Crawford Fund:**

# **A Master Class on *Policy Analysis for REDD+: within a Decentralised Context***

**In collaboration with the ACIAR Improving Governance, Policy and  
Institutional Arrangements to Reduce Emissions from Deforestation and  
Degradation (REDD) in Indonesia project**

**Depok, Indonesia, 7-10 August 2012**

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**Universitas Indonesia, 7-10 August 2012**

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## **Acknowledgement**

We acknowledge the funding provided by the Crawford Fund of Australia to finance the logistics of the training. This 4-day intensive course was implemented jointly by the Australian National University in collaboration with Research Center for Climate Change, Universitas Indonesia. Approximately 20 invited participants from all over Indonesia took part in the training. The Australian Centre for International Agricultural Research (ACIAR) has also financed the time allocated by Silvia Irawan to support the development of the module and the delivery of the training.

Research Center for Climate Change Research of the University of Indonesia (RCCC-UI) has made all the implementation of the training run smoothly. We also thank all the trainers for their collaboration in preparing the training materials and in giving the presentation.

## **Background**

Local governments are continuously confronted by policy problems, including how to best allocate limited resources, such as land and forest resources, for the benefits of their constituents. The decision-making process on land-use activities involves multiple stakeholders, who may have different values and little consensus about the problem definition and solutions. While decentralization in public management has empowered local governments to cater for the needs of local people, often there is a lack of meaningful power and sufficient resources transferred to local authorities, particularly in land and forest management. For instance, forest conservation at the local level has long been a challenge for subnational governments due to restrictions on land use activities in forests designated for forest conservation.

REDD+ requires developing countries (and local governments) to set aside additional forest conservation areas that may not necessarily yield additional environmental services for local residents. Additional forest conservation competes with other land-use activities, such as commercial logging, timber plantations and oil palm plantations, which can legally take place in productive forestlands. REDD+ measures that impose restrictions on the development of those land-use activities would therefore lead to a substantial loss of public revenues at the various government levels. Forest conservation may also generate revenues from ecotourism and other types of payments for environment services (i.e. water use and biodiversity conservation), however, these payments may not be sufficient to offset the costs of conservation at the local level. Different land-use activities also imply different degrees of social and economic impacts on diverse actors within a local jurisdiction.

REDD+ involves technical complexity in terms of its design and implementation and it is also very contentious as stakeholders have different values towards land use and forest management. Policy analysis for REDD+ is therefore challenged by the common nature of environmental problems, such as scientific and technical uncertainty, trans-boundary nature of environmental problems and the need to include a multiplicity of actors. For this reason, local governments need to be familiar with frameworks and tools of policy analysis for REDD+ and, most importantly, have the capacity to define policy problems and solutions with relevant stakeholders.

This master class is therefore designed to increase the capacity of local governments to specifically conduct policy analysis for REDD+.

## **Purpose of the Master Class**

This master class is designed by Silvia Irawan (ANU) in collaboration with RCCC-UI. The purpose of the training is to:

- provide comprehensive information about REDD+ to local governments to enable them to make informed decisions, and

- develop skills in conducting policy analysis for REDD+ by applying policy analysis framework and relevant tools.

During the training, participants have a practical opportunity to apply policy analysis framework and tools to develop REDD+ policies taking into consideration regional specific characteristics. The training introduced policy analysis framework suggested by Dunn (1981; 2007), which involves: 1) structuring policy problems to define their nature; 2) outlining policy alternatives to produce information on: ‘a potentially available course of action that may contribute to the attainment of values and the resolution of a policy problem’; 3) recommending a policy action to: ‘produce information about the likelihoods that particular courses of action will result in the consequences that are valuable to the society’.

## Objectives

- To expose local officials to the design and the recent development of REDD+ to enable them to make informed-decisions and identify the potential benefits of REDD+ at the local level
- To acquaint local officials with the framework, relevant tools and practical capacities to conduct policy analysis on REDD+ in light of decentralization and fiscal arrangements to different governmental levels
- To connect between local officials and create a learning platform about REDD+ for local officials in Indonesia

## Assumed knowledge

Participants of the master class are assumed to know basic information about REDD+ or have been involved in REDD+ projects at their area, forest management, and have basic computer skills.

## Activities

Location of the master class is at Wisma Makara, Universitas Indonesia

### 1. Agenda of the Master Class

<i>Time</i>	<i>Activities</i>	<i>Presenter or Moderator</i>
<b>Day 1, 7 August 2012</b>		
8.00-8.30	Registration	
8.30-9.00	Opening Remark	Dr. Jatna Supriatna (Chairman, Research Center for Climate Change Universitas Indonesia) Dr. Budiharso, Direktorat Riset dan Pengabdian Masyarakat – DRPM, Universitas Indonesia Dr. Luca Tacconi (Director, Environment & Development Program, Crawford School of Public Policy) Dr. Eric Craswell (Director, Master Classes Crawford

<i>Time</i>	<i>Activities</i>	<i>Presenter or Moderator</i>
		Fund)
9.00-9.45	The role of forest in climate change and REDD+	Dr. Jatna Supriatna (RCCC-UI)
9.45-10.30	International negotiations and recent developments on REDD+	Muhammad Farid (DNPI)
10.30-10.45	Coffee Break	
10.45-11.30	Climate change, adaptation and mitigation updates	Prof. Dr. Abimanyu T. Alamsyah (RCCC-UI)
11.30-12.15	Indonesia's REDD+ policies	Dr. Kirsfianti Ginoga (Puspijak)
12.15-13.15	Lunch	
13.15-14.15	Carbon cycle and carbon content	Dr. Asep Saefumillah
14.15-15.15	REDD+ Design	Silvia Irawan
15.15-15.30	Coffee break	
15.30-17.00	Group Discussion – Exercise 'perception on climate change and REDD'	Silvia Irawan and RCCC-UI
<b>Day 2, 8 August 2012</b>		
8.30-9.30	Socio-economic Impacts of REDD+	Ir. Subarudi, M. Wood Sc (Puspijak)
9.30-10.30	Opportunity Cost Analysis	Silvia Irawan (ANU)
10.30-11.00	Coffee Break	
11.00-13.00	Policy Analysis Framework and Tools	Mandala Manurung, ME. (RCCC-UI)
13.00-14.00	Lunch	
14.00-15.30	Exercise: Policy analysis framework for REDD+	Silvia Irawan (ANU)
15.30-15.45	Coffee break	
15.45-17.00	Exercise: Opportunity Cost Analysis	Dr. Sonny Mumbunan (RCCC-UI)
<b>Day 3, 9 August 2012</b>		
8.30-9.45	Carbon measurement methodologies and constraints	Subekti Rahayu (ICRAF)
9.45-10.30	REDD+ and Spatial Plan	Bambang Marhaendra, ME. (RCCC-UI)
10.30-11.00	Coffee Break	
11.00-12.15	Managing REDD by Using Remote Sensing	Dr. Rakhmatullah (RCCC-UI)
12.15-13.15	Lunch	
13.15-15.00	Developing REDD+ Baseline and Identifying REDD+ potential	Silvia Irawan (ANU)
15.00-15.15	Coffee break	
15.15-17.00	Exercise: Developing baseline and identifying REDD+ potential	Silvia Irawan (ANU)
<b>Day 4, 10 August 2012</b>		
8.30-10.30	REDD+, fiscal decentralisation and revenue sharing arrangements in the forestry sector	Dr. Sonny Mumbunan (RCCC-UI)
10.30-11.00	Coffee break	
11.00-12.30	Identifying potential for REDD+ and other PES schemes	Silvia Irawan (ANU)
12.30-13.30	Lunch	
13.30-15.30	Exercise: Fiscal Simulation	Dr. Sonny Mumbunan (RCCC-UI)
15.30-16.00	Coffee break	
16.00-17.00	Closing ceremony	
18.30	Farewell dinner	

## 2. Structure of the Master Class

The master class was conducted for 4 days on 7-10 August 2012. The class covered both theoretical and practical aspects of policy analysis on REDD+ within the decentralization context. The class was structured as follows:

- Morning sessions were mostly devoted to lectures and classroom discussions covering theoretical aspects of REDD+ within the decentralization context.

- Afternoons were devoted to practical application of policy analysis framework and tools. Participants were presented with dummy data and assisted for the analysis. All exercises were led by Silvia Irawan (ANU) and Dr. Sonny Mumbunan (RCCC-UI). Exercises included estimating net carbon emission (tCO<sub>2</sub>e) due to land use change, identifying options to reduce emission or increasing carbon stock, and assessing the feasibility of identified options.
- All sessions are recorded by video and voice recorder.

### **3. The Module of the Master Class**

In overall, the module of the master class can be divided into:

1. Basic climate change and the role of forest in REDD+
  - Climate change, adaptation and mitigation updates
  - The importance of adaptation for Indonesia as an archipelago
  - The role of forest and biodiversity in climate change and REDD+
2. Carbon content and measurement, and spatial planning (carbon content, physical carbon measurement and remote sensing)
  - Carbon pools and carbon cycle
  - Carbon stock measurement using rapid method from above ground biomass, below ground, necromass, and soil
  - Activity data of land use change using remote sensing
  - The application of spatial analysis for spatial planning and REDD+
3. REDD+ at decentralisation context
  - REDD+ policy and international negotiations
  - REDD+ design
  - Policy analysis framework and exercise
  - Opportunity cost and exercise
  - Developing REDD+ baseline and exercise
  - Payment for Environmental Services (PES) and exercise

### **4. Participants**

Participants of this training are from main districts that have or are scheduled to have REDD+ initiatives. As many as 17 participants are from Forestry Offices (Dinas Kehutanan) and District Planning Agency (Bappeda) either from provinces or kabupaten of Riau, Jambi, Central Sulawesi, East and Central Kalimantan, and Papua.

Additional participants are from RCCC-UI, and NGOs such as Artikel 33, Charites Institute, and ICRAF. List of participants and attendees is provided in Appendix 1.

## 5. Trainers

Trainers were from ANU, RCCC-UI, National Council for Climate Change (DNPI), Pusat Penelitian Perubahan Iklim dan Kebijakan Kementerian Kehutanan – Puspijak (Center for Climate Change Research and Policy, Ministry of Forestry), and ICRAF who are the expert on the respective topic.

Table 1. List of trainers

Name	Institution
Muhammad Farid	Secretary of International Working Group DNPI
Dr. Kirsianti F. Ginoga	Head of Puspijak
Prof. Dr. Abimanyu T. Alamsyah	Vice Chairman RCCC-UI
Dr. Jatna Supriatna	Chairman RCCC-UI
Dr. Asep Saefumillah	RCCC-UI
Ir. Subarudi, M. Wood Sc	Puspijak
Mandala Manurung, ME.	RCCC-UI
Silvia Irawan	ANU
Dr. Sonny Mumbunan	RCCC-UI
Subekti Rahayu	ICRAF
Bambang Marhaendra, ME.	RCCC-UI
Dr. Rokhmatulloh	RCCC-UI

## Key Lesson Learned

RCCC-UI conducted a simple survey at the end of the master class, which was additional to the regular survey conducted by the Crawford Fund. Two additional questions were asked during the survey were:

1. Critics, suggestions, and ideas of the training
2. Training needed on climate change and REDD+

Participants provided positive feedbacks and engaged in very interactive discussions during the class. As many as 13 participants returned the forms. On the first questions, more than 30% participants confirmed that the theme is appropriate and the substance is good. Participants (29%) also thought that the trainer is competent and experienced on their materials. However, participants (29%) indicated the need for more exercise (or in other form of exercise such as group discussion or group presentation). Other comments are presented below (Figure 1).



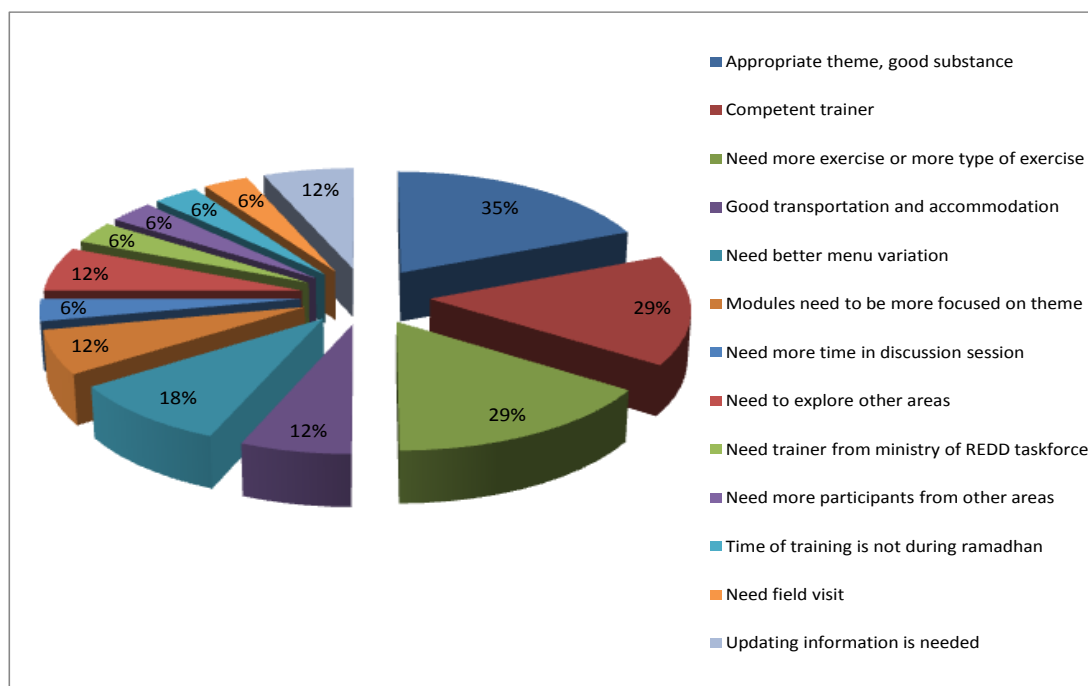


Figure 1. Critics, suggestions and ideas for the training

On the second questions, the comments were more scattered, but 18% of participants suggested the need for training on law and policy and spatial planning. Other comments are presented below (Figure 2).

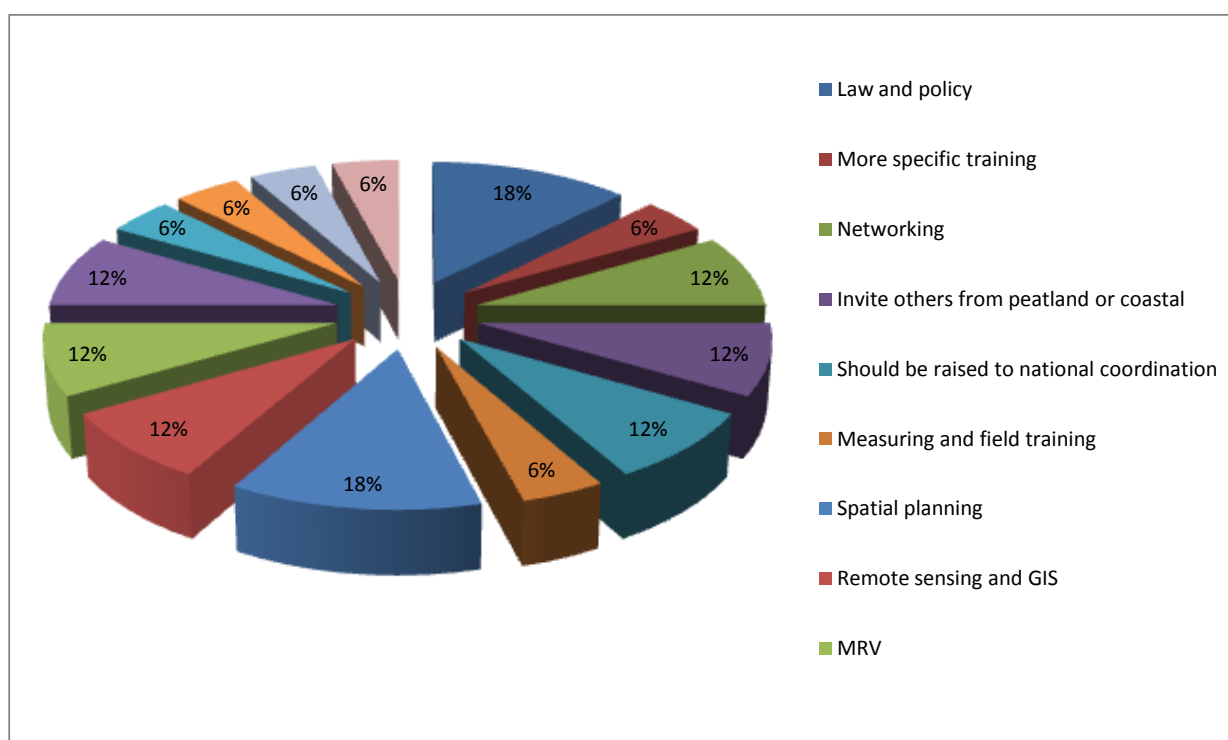


Figure 2. Training needed in climate change and REDD+

## Photo album



*Picture 1. Group picture of attendees of the training*



*Picture 2. Welcoming speech from Dr. Jatna Supriatna, Chairman of RCUUI*



*Picture 3. Opening remarks by Dr. Budiharso, Directorate for Research and Public Service - University of Indonesia*



*Picture 4. Speech by Dr. Luca Tacconi, ANU*





*Picture 5. Speech by Dr. Eric Craswell, Director of Master Class, Crawford Fund*



*Picture 6. Training on carbon content by Dr. Asep Saefumillah*



*Picture 7. Presentation on REDD+ design by Silvia Irawan*



*Picture 8. Active discussion by participant from East Kalimantan*





*Picture 9. Training participants*



*Picture 10. Exercise with spreadsheet*



*Picture 11. Participants, trainers, and committee after the training*

## Appendix 1. List of attendees of the Master Class

No	Name	Institution	Position/role	REDD+ link	email address	Role
1	Hariyanti	DisHutBun Merauke	Kasie Hutan Tanaman Rakyat dan Pembinaan Benih	N/A	<a href="mailto:bobbyazishattu@gmail.com">bobbyazishattu@gmail.com</a>	Participant
2	Edi Suprpto	Dishut Jambi	Kepala Seksi Penyajian Informasi UPTD BPIK	N/A	<a href="mailto:eddiesoeprpto@yahoo.co.id">eddiesoeprpto@yahoo.co.id</a>	Participant
3	Hamzah	Dishut Kab. Berau	Kepala Seksi Penyajian Informasi UPTD BPIK	Team action plan strategy REDD+ Kab. Berau	<a href="mailto:hazbrou@gmail.com">hazbrou@gmail.com</a>	Participant
4	Ardesianto	Dishut Riau	Staf Dishut Riau	GIS	<a href="mailto:aditya_arde@yahoo.com">aditya_arde@yahoo.com</a>	Participant
5	Muhammad Ridwandsyah	Universitas Jambi	Dosen FE UNJA	Socio-economic of natural resources and environment	<a href="mailto:ridwansyahjbi@yahoo.com">ridwansyahjbi@yahoo.com</a>	Participant
6	Iman Budisetiawan	Bappeda Kab. Bungo	Kasubbid Evaluasi dan Pengendalian	Forest governance	<a href="mailto:iman_budisetiawan@yahoo.com">iman_budisetiawan@yahoo.com</a>	Participant
7	Suprianto	Pokja REDD Kaltim		Forest and climate change		
8	Nanang Hayani	Dishut Kaltim	GIS Officer	GIS Dewan Regional Council for Climate Change East Kalimantan	<a href="mailto:nank_76@yahoo.com">nank_76@yahoo.com</a>	Participant
9	Muhammad Fajri	Pokja REDD Berau	Sekretariat Pokja	Taskforce team	<a href="mailto:fajri@karbonhutanberau.org">fajri@karbonhutanberau.org</a>	Participant
10	Nurudin	Dishut Sulteng	Kepala Seksi Konservasi Alam	Taskforce team	<a href="mailto:nurudien@yahoo.com">nurudien@yahoo.com</a>	Participant
11	Alpius Patanan	Dishut Kalteng	Staf Bid Perencanaan Hutan	Forest planning	<a href="mailto:alpiuspatanan@yahoo.com">alpiuspatanan@yahoo.com</a>	Participant
12	Herbeth Y. Rumbiak	Dishut Papua			<a href="mailto:moesieri_john10@yahoo.com">moesieri_john10@yahoo.com</a>	Participant
13	Rosyani	Universitas Jambi			<a href="mailto:rosy1762@yahoo.com">rosy1762@yahoo.com</a>	Participant
14	Syamsul Bahri	Bappeda Jambi	Staff Pelaksana Bappeda Prov. Jambi		<a href="mailto:soulkl74@yahoo.com">soulkl74@yahoo.com</a>	Participant
15	Heri Dedi Purwanto	Dishut Riau			<a href="mailto:hd.purwanto1209@yahoo.co.id">hd.purwanto1209@yahoo.co.id</a>	Participant
16	Silahuddin M. Karmansyah	Pokja REDD Riau	Staf Badan Pelayanan Perizinan Terpadu Prov. Riau	Taskforce team	<a href="mailto:silahuddinmk@yahoo.com">silahuddinmk@yahoo.com</a>	Participant
17	Gusmardi	Bappemdal Kab. Tanjung Jabung Barat				Participant
18	Doni Fadila	Bappeda Kab. Merangin	Kepala Bidang Sosial Budaya		<a href="mailto:donifadila@gmail.com">donifadila@gmail.com</a>	Participant
19	Dr. Rondang S.E Siregar	RCCC-UI	Reseach Associate	Biodiversity	<a href="mailto:rse.siregar@gmail.com">rse.siregar@gmail.com</a>	Participant
20	Asri Adyati Dwiyahreni	RCCC-UI	Reseach Scientist	Biodiversity	<a href="mailto:diahasri@gmail.com">diahasri@gmail.com</a>	Participant
21	Riko Wahyudi	Artikel 33 Indonesia				Participant
22	Subekti Rahayu	ICRAF		Carbon measurement	<a href="mailto:s.rahayu@cgiar.org">s.rahayu@cgiar.org</a>	Trainer
23	Alfa Ratu Simarangkir	Charites Institute	Operational Manager	Economic	<a href="mailto:alfa_ratu@yahoo.com">alfa_ratu@yahoo.com</a>	Participant
24	Dr. Agus Suratno	Conservation International				Guest



No	Name	Institution	Position/role	REDD+ link	email address	Role
25	Dr. Noviar Andayani	WCS Indonesia Program				Guest
26	Hendi Sumantri	Conservation International				Guest
27	Dr. Budiharso	DRPM UI				Guest
28	Rini Sulaiman	US Forest Service USAID - IFACS				Guest
29	UI Update	UI Update				Guest
30	Dr. Luca Tacconi	ANU				
31	Dr. Eric Craswell	Crawford Fund				
32	Dr. Nurul L. Winarni	RCCC-UI			<a href="mailto:nwinarni@gmail.com">nwinarni@gmail.com</a>	Committee
33	Maya D. Prasetyaningrum	RCCC-UI			<a href="mailto:maya.dewi@gmail.com">maya.dewi@gmail.com</a>	Committee
34	Vina	RCCC-UI				Committee
35	Eky	RCCC-UI				Committee
36	Indah Kurniasari	RCCC-UI				Committee
37	Muhammad Farid	DNPI			<a href="mailto:faridilajli@gmail.com">faridilajli@gmail.com</a>	Trainer
38	Dr. Kirsianti F. Ginoga	Puspajak			<a href="mailto:kginoga@indo.net.id">kginoga@indo.net.id</a>	Trainer
39	Prof. Dr. Abimanyu T. Alamsyah	RCCC-UI			<a href="mailto:takdir65@gmail.com">takdir65@gmail.com</a>	Trainer
40	Dr. Jatna Supriatna	RCCC-UI			<a href="mailto:jatna.supriatna@gmail.com">jatna.supriatna@gmail.com</a>	Trainer
41	Dr. Asep Saefumillah	RCCC-UI			<a href="mailto:asep.saefumillah@gmail.com">asep.saefumillah@gmail.com</a>	Trainer
42	Ir. Subarudi, M. Wood Sc	Puspajak			<a href="mailto:rudi.subarudi@yahoo.co.id">rudi.subarudi@yahoo.co.id</a>	Trainer
43	Mandala Manurung, ME.	RCCC-UI			<a href="mailto:uchovk@yahoo.com">uchovk@yahoo.com</a>	Trainer
44	Dr. Silvia Irawan	ANU			<a href="mailto:silvia.irawan@gmail.com">silvia.irawan@gmail.com</a>	Trainer
45	Dr. Sonny Mumbunan	RCCC-UI			<a href="mailto:sonny_mumbunan@yahoo.com">sonny_mumbunan@yahoo.com</a>	Trainer
46	Subekti Rahayu	ICRAF			<a href="mailto:s.rahayu@cgiar.org">s.rahayu@cgiar.org</a>	Trainer
47	Bambang Marhaendra, ME.	RCCC-UI			<a href="mailto:risendra@gmail.com">risendra@gmail.com</a>	Trainer
48	Dr. Rokhmatulloh	RCCC-UI			<a href="mailto:rokhmatulloh.ssi@ui.ac.id">rokhmatulloh.ssi@ui.ac.id</a>	Trainer