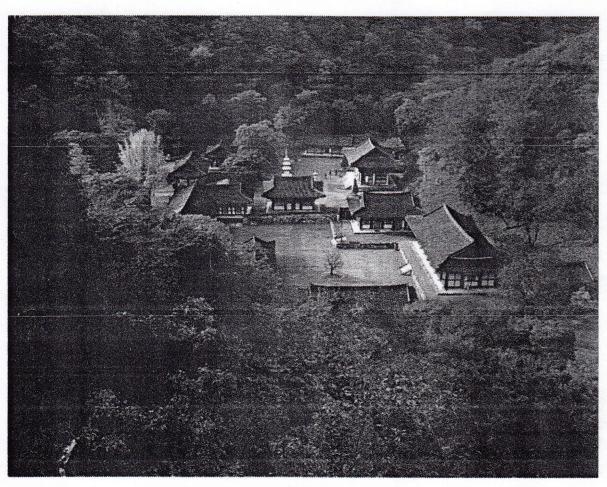
Salidar

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forests. In general, forests and sustainable forest management (SFM) seem to be poorly understood by everyone outside the forest sector. European Forest Week 2008 (EFW) was an attempt by intergovernmental bodies involved in forest policy in Europe to increase the visibility of the forest-based sector; to raise awareness of forests' contributions to mitigating climate change, providing freshwater, protecting the environment; and to increase understanding of SFM. Ultimately, this was supposed to lead to other policy sectors' (energy, climate, environment, etc.) engagement in a participatory dialogue on forest-related issues. Against this background I will explore why it is that forests, forestry, and forest policy are perceived as major communication challenges. I will take a closer look at the science-policy interface, intersectoral communication, and forest advocacy. I will partly found my exploration of the theme on the European/EU policy making arena and the position of forest policy. Based on the specific character of forest policy I will identify some key communication challenges.

Forestry communication model: case study in Slovakia. Marusakova, L., Sarvas, M., Vanco, M. (National Forest Centre, Slovakia; marusakova@nlcsk.org; sarvas@nlcsk.org; gvanco@nlcsk.org).

The paper deals with forestry communication and explains what role communicative processes play for positive perception of the forestry sector. The paper analyzes the specifications and layout of communication in forestry and identifies main actors and target groups involved in Slovakia. SWOT analysis was used to identify strengths, weaknesses, opportunities, and threats of communication in the forestry sector. The results of research on effectiveness of communication tools used by forestry bodies are presented in the paper. Forest-related environmental education (FREE) is introduced as an example of an effective way for informing the public about sustainable forest management and increasing awareness about the importance of forests for environment and society. The main obstacles and challenges in FREE are identified. Models of management of communication process and integrated marketing communication tools are introduced in the paper as a way to strengthen effective and proactive forest inter-sectoral cooperation and communication. The Communication Strategy of the National Forest Centre is used as an example of a systematic concept based on mixture of activities and cooperative actions in the field of forest research, public relations, education, and consultancy, which are carried out by the organization.

Recognition of stakeholders in management of a forest science organization. Miner, C.L., Barbour, J. R. (U.S. Forest Service, USA; clminer@fs.fed.us; jbarbour@fs.fed.us).

The Pacific Northwest Research Station is a subunit of the U.S. Department of Agriculture, Forest Service research program, with about 90 scientists. In 2009, the station reorganized to improve its responsiveness through flexibility and by becoming more efficient. The effort was based on strategic planning with input from stakeholders gathered in summer 2007. Stakeholders asked for the benefits of long-term research, with an outcome of development of knowledge and tools for immediate application to issues. The station developed foundational themes of ecological processes and function; land and watershed management; threat characterization and management; goods, services, and values; and forest resources monitoring and assessment. These themes are linked to short-term priorities that help direct the work of scientists. Since 2007, however, the nature of key issues and their interconnections have changed along with priorities. In 2010, given its new approach and organization, the station asks what defines its stakeholders, what constitutes success in their support of the station, and how is success described over time and across a dynamic social landscape? This presentation describes a framework used to address these questions and methods for measuring stakeholder support over time. The potential of this framework for adoption by other organizations is described.

Posters'

The role of forestry scientists in the decision-making process, Nurrochmat, D.R., Darusman, D, Ekayani, M. (IPB/Bogor Agricultural University, Indonesia; dnrochmat@yahoo.com; akecuina@cbn.net.id; metieka@yahoo.com).

There has been a long debate about the roles of scientists in policy-making process. In differentiating with the other stakeholders, the role of scientists is to provide the possibilities, instead of deciding between the possibilities. It means that scientists expect to gather facts and provide predictions to current and proposed policies rather than to determine policies. In the forest policy-making arena, forestry scientists are seeking to play a positive role in policy-making and contribute to a better process and results of policy. In fact, however, forestry scientists are playing a minor role in a public discourse; for example, the contribution of scientists through their statements about forest fire in the global public media was only about 12% and in the Indonesian public media even less than 3%. Enhancing the role of forestry scientists is required because it is critically important in a functioning democracy and to achieve a better forest policy. The objectives of this paper are to understand the various views of scientists in defining forestry problems and to evaluate the role of forestry scientists to contribute in the policy-making process in Indonesia.

Collaboration between scientists and journalists in forest communication. Park, M.S. (Seoul National University, Republic of Korea; mpark@snu.ac.kr).

In the process of forest communication, stakeholders in forestry can cooperate with each other to achieve their goals. South Korea provides an example of collaboration between scientists and journalists. The Korean daily newspaper, *Hankyoreh*, designed a special series on nature conservation titled *Let's keep the places: Urgent appeals to conserve the ecosystem*, in 1991–1992 and in 2003. Journalists and scientists conducted field trips to survey environmental and social situations and published the series weekly, consisting of a report by the journalists and a column by the scientists. The series not only reported the destruction of the ecosystem but also criticized the inattentiveness of the government to the need to conserve and manage ecosystems. Actually, the seven reported places were incorporated into ecosystem protection zones. In this case, the scientists and journalists contributed to the decision-making on these areas by putting them at the center of the political system. The media's agenda was developed into a policy agenda. This phenomenon reflects the Habermasian theory of power, wherein the government translates civil society's communicative power into administrative power. It is a bottom-up process from the periphery to the center of the political system.

Best practices examples of forestry communications in Slovakia. Sarvaš, M., Marušáková, L., Vančo, M., Hrbál, P. (National Forest Centre, Slovakia; sarvas@nlcsk.org; marusakova@nlcsk.org; vanco@nlcsk.org; hrbalvnlcsk.org).

The poster presents successful projects dealing with communication in forestry sector in Slovakia. National Forestry Days presented in the poster are the greatest event prepared by a coalition of forestry institutions for broad public. Mutual projects

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The Role of Forestry Scientists in Policy-Making Process in Indonesia



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Abstract

It has been a long debate towards the roles of scientists in policy-making process. In differentiating with the other stakeholders, the role of the scientists is providing the possibilities instead of deciding between the possibilities. It means that the scientists expect to gather facts and provide predictions to current and proposed policies rather than to determine policies. In the forest policy making arena, forestry scientists are seeking to play a positive role in policy-making and contribute for a better process and results of policy. In fact, however, forestry scientists are playing a minor role in a public discourse, e.g., the contribution of scientists through their statements about forest fire in the global public media was only about 12% and in the Indonesian public media even less than 3%. Enhancing role of the forestry scientists is required because it is critically important in a functioning democracy and a better forest policy. The objectives of this paper are to understand the various views of the scientists in defining forestry problems and to evaluate the role of forestry scientists to contribute in the policy-making process in Indonesia.

Keywords: forestry scientists, forest fire, Indonesia, media, policy-making process

1. Introduction

Scientists are seeking to play a positive makin policy and goldes and contribute in the sustainability of Service for the contribution of the sustainability of Service for the contribution of the contributi

- a. Pure Scientist, with no interest in decision making process and simply share some fundamental information.
- Science Arbiter, as a resource for decision making, standing ready to answer section questions that are excepted maker what he or site ought to prefer
 Issue Advocate, try to convince the decision maker to take particular decision, telling the decision maker what he or site ought to prefer
 Issue Advocate, try to convince the decision maker to take particular decision, telling the decision maker what he or site ought to prefer
- listed Advances for place or where the research induced stemp state on each choices, makes an effort to exceed for at least to darkly the acope of.
 Hones Storick of Policy Alternatives, provides basis information on each choices, makes an effort to exceed on his other professions and as the control of the decision makes face the challenge of reflecting the acops of choices bead on his other professions are substantially as the control of the decision makes face the challenge of reflecting the acops of choices bead on his other professions are substantially a challenge of the challenge

connection.

All those rates are critically important and recessory in a functioning damporacy, and scientists, similar to other member of society, have to choose throse broken recording powerful role to facilitate the excellent of new and insovative policy alternatives.



According to the role matrix of accinors in section matting (Figure 1), the most suited role for the scientists is to be an Honest Broker. Picky Attenuister tentering distal-cluber model and fischatchineater theory of democracy), which engages in decision matter. First of the section of the scientist is because making by durity durity and seeking to expand the scored of choice in halfact. Profession, makes, Therefore, the deserted of this paper is to a status the role of finestly societies in policy mattering profession in Indonesia, capacitally related to forest fire lessues.

9 Mothods

The role of scientists in policy-making process is determined by three approaches.

Relative share of scientists in media discourse
 Communication-Effectiveness index of scientists

2.1 Relative share of scientists in media discours

2.1 Relatives Inter of sections of the most important ways to influence policy making process. Therefore, measuring the role of certain packet, e.g. adentists, in policy making process could be done among others by understanding the relative share of sclanitists in media discourse additions.

Relative share in mode = Frequency of scientist's statement cited in mode towards certain assue Frequency of an assessment in mode toward certain issue

Usually the relative share or contribution is stated in percent. The higher the relative share of scientists in media, the bigger their influence to the

Two reputable national media (newspapers) that have been decided to be included in this study a

1) Kompas 2) Republika

Kompas is the most widely read national newspaper in Indonesia, while Republika is one of the biggest national media that has concerns to environmental issues.

2.2 Communication-Effectiveness Index of Scientists

The roll of securing actions or scenifick, in media to influence public opinion could be evaluated by calculating an effectiveness indicate the control of t

Effectiveness mays = Average score of breaking actor's statement clock in mode.

A more ground free-king actor's statement in devices public parties.

A speaking actor can effectively communicate with the public if heiste has an effectiveness index of 1.00 or higher. If the effectiveness index is 1.00 then the mass that a condition actor take more but less influential in driving public opinion.

2.3 Stakeholder perception towards the role of scientist

Key postor interviews were conducted to evaluate statistication provides that no elicitatives in the statistic properties in which and with whom the interviews were conducted with based on the relativestic in the statistic properties in which and with whom the interviews were conducted with a statistic properties of the statistic proper

3. Result and Discussion

3.1 The Minor Role of Scientists in Colouring News

According to the enablastion of relative snake or speaking source to media it shows that one scientists are very dominant as speaking actors in news media. The contribution of scientists through statements on forest fine is the makinal news media comprised of only less than 3%-respectively Figure 2).

Looking at the distribution of the non-scennist operating address the news mental, the administration officed pathentiation is one of the news mental interaction processes the news mental. Reference to the news mental interaction of the new mental interaction of the news mental interaction of the new mental interaction of the news mental interaction of the new mental interaction of the new mental interaction of the news mental interaction of the new mental interaction of the



gure 2: The Contribution of Scientists to Indonesian New

Measuring the rick of assistate in policy resking process could be approached by understanding their certification (insidew sharing) in the more in Section communication and influences public operand not are received to the control of the control

Table 1: Distribution of the Non Scientist's Speaking Actors in

Non-Scientists' Speaking Actors	Freq	%
Politicians	17	1.20
a Politician government	13	0.92
b Politician non gevernment	4	0.28
Administration	527	37.35
a. Forest administration	184	13.04
b. Non forest administration	343	24,31
Media	446	31.61
Organization	55	3.90
a Forest organization	15	1.28
b Non-forest organization	37	2.62
Others	366	25.94
Total	1,411	100.00

Table 2: The Most Influencing Communication Media in Driving Public

	International		Netional		Local	
Kinds of Media	Score	Rank	Score	Ruth	Store	Rank
News media	3.52	10	111	16	351	1.5
Supermoved a Special publications	2.25	33	157	46	2.15	-0.5
9GD spined advisions	250	26	212	36	21/	20
Ctries	2.25	35	180	2.0	213	35

Theodore, in order for forestry programs to gain wide supports from the community, decision makers must consider the option of effective, communication lecturements. Mentaturing good referrorings and empressing communication with reevisional journations are some ways that combed dissertance to teleprate or control teleprate and the most effective way of intending public common related to the say, waster comtrol teleprate and the public common teleprate and the most effective way of intending public common related to the say, waster comcommunication of forestry resident products of the most set of the same public operand if the insulate set of the same public common teleprate and the same public common teleprate and the same public common teleprate common teleprate and the same public common teleprate and th

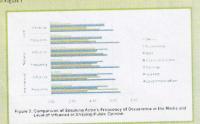
3.2 The Effectiveness of Scientists' Communication

Although at national level speating actors discussing forestly insues in the model and dominated by government agencies, but the majority of respondents believe that national public opinion concerning fressly issues are more influenced by NGOs rather than governments' guitners. Therefore, the degree of influence of speaking actors in driving public opinion's notionly determined by the frequency of occurrance of speaking actors in the medio, but also depends on the effectiveness of

communication to be inspecially access to the formation at soles, NSO is the most inflicted in conducting communication in the mode. Although in themselved requested in a soles, the soles are specially access at the soles are soles access at the soles access at the soles access at the soles access at the soles access and the soles access access and the soles access access and the soles access access as the soles access access and the soles access access as the soles access access access and the soles access access

Table 3: The Effectiveness Index of Communication among

Speaking Arriva	The Effectivement Italies of Communication				
	International	National	Local		
น้องสาสอาเมโดส	4.87	0.82	6.22		
Scental	1.89	1.07	1.08		
Donicus	1,73	1.19	9.94		
Community levelor	1,00	100	1.01		
NGO	1.05	119	101		
Surmar in	18	2.26	6.98		
Para de la constantina della c	1.00	1.99	1.00		



3.3 Stakeholder Perception: the Role of Scientists in Setting Policy Agenda

Although near media in this source of information that meetly altaces pathology near media in the source of information that meetly altaces pathology appears asserting as on the many information of determining policy, appears asserting in media affected by accentists who are requested by the concerned institutions to improvide anotherine in response to certain issues. Manarwise responses are the man federated by accentists who are requested by the concerned institutions to response another in mind reference is interesting that does not expense another in mind reference is interesting that does not expense another in mind reference is interesting that does not expense and the mind reference is understood to the concerned proposed as the mind reference is understood to the concerned as the concerned as the concerned as proposed as the concerned as the concerned as the concerned as proposed accentage is unfortunately and other mining policy appenda souther.

Table 4: The Most influencing Information to Decision Making

Specify Arters	etenaliss si		NIGERAL		Leeni	
	Scott	Rank	6-com	Rate	Score	Barks
PRINCIPAL PROPERTY	17		3.6	18	1.00	1.0
barrio admini	0.25		4%		415	29.
Earth make install	1.87	45	2.00		26)	58
SPACETED TENSOR SAFETONISTED	1.0			10		28
Homeles for your			142	40	3794	4.0
Orees	116		140	0.0	123	62

4. Conclusion and Polley Recommendation

The roles of scientists in policy making process concerning friently expectably forest fire issue is indicended and generally years. Referency to the number of sistements build in relating these siness, the second section of the sistements build in relating these siness. See second section of the sistements build in relating these siness, the second section of the sistements build in relating to the sistement of the sistement o

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References

Datument D, Nurrochmat DR; Sundawell L and IZ Surgue (2009). Policy Evaluation of COM and REDD Schemes. Economic and Se considerations. Paging presented at the ASEAN Sortes Environmental Competition Meeting and REDD Feat

Ropublish (1994-2004). Source: creving control of the policy is possible to the policy in policy Evaluation of CDM and REDD 'The solution of the policy is policy because of Designation of CDM and REDD 'The solution of the policy is possible to policy because of Designation of CDM and REDD 'The solution of the policy is possible to policy because of the policy is possible to the policy in the CDM and REDD 'The solution of the policy is possible to the policy in the CDM and REDD 'The solution of the REDD 'The

