

中国人工林木材研究計画プロジェクト
中間評価 PD/PM アンケート

Questionnaire to the Project Director/the Project Manager

9月2日現在回収2名

姓名:張久榮、葉克林

職位 Project Director, Project Manager

Overall Performance

1. What is your evaluation on the current degree of the achievement of the Project? Please write the reasons that support your answer.

The current degree of the project achievement:

- is reached to the higher level than we planned (expected).
- is reached to the level as we planned (as scheduled).
- is not reached to the level as we planned in some parts.
- is not reached to the level as planned at all.

Reason / Comments:

2. What do you think are the major factors that facilitated and/or hampered the achievement of the Project to date?

Factors Facilitating:

- 1) Strong Support from JilCA (2)
- 2) Strong Support from the Chinese Government (2)
- 3) The joint effort of the Chinese and Japanese experts (1), Contribution from Scientists from both Countries(1).

Factors Hampering:

- 1) The difference in culture between China and Japan
- 2) The time devoted by the Chinese experts has not been fully guaranteed
- 3) Some of the equipment and instrument have not been arrived on time.

3. Do you think selecting the project-type technical cooperation (receiving inputs of experts, training in Japan and equipment as a package) as a cooperation menu was appropriate, even JICA provides other type cooperation menus?

2 Yes No

Reasons/comments

There is lacking expertise and equipment to strengthen the ability of carrying out research on plantation timber in China so that experts inputs, training and equipment providing is appropriate

4. Do you think the process of designing the project plan was appropriate on the following points?

a. Were all the personnel or groups involved in the planning discussion?

2 Yes _ No

Reasons/Comments

All of the personnel in groups should involve in planning discussion so that they could not only contribute in the planning as well as understand what they should do in implementing.

b. Was the time for the planning allocated enough?

2 Yes _ No

Reasons/Comments

It look about two and half a year for the planning which is enough.

5. Do you think you or your personnel will be able to fully utilize the skill or knowledge currently transferred through the project even after the cooperation is ended? If not, what skill or knowledge do you think you cannot fully utilized?

_ We will be able to fully utilize the skill transferred.

2 We will be able to utilize most of the skill transferred.

_ We will be able to utilize some of the skill transferred.

_ We will have problem in utilizing the skill transferred.

The skill or knowledge that cannot be utilized:

The skill and knowledge relevant to figure out specific research needs and analysis on ensiment can not be fully utilized so that follow-up cooperation is necessary.

Efficiency and Inputs to the Project

6. How do you evaluate the Japanese experts assigned to this Project? Please write problems

you or your staff confronted any

◆The number of the experts assigned to the Project to date:

very appropriate 2 appropriate not appropriate not appropriate at all

◆:Their level of knowledge, experience, or competence

2 very appropriate appropriate not appropriate not appropriate at all

◆Timing dispatched:

2 as planned delayed

Problem and reasons for the problem:

7. As a whole do you think the training in Japan was effective to your personnel? If yes, please write how it was effective, and if not write the matter in detail.

very effective 2 effective not effective poor

How effective or matters in detail:

(1) Through training, the technical staff of the Chinese side have got the opportunity to participate the research projects of the training institution of the Japanese side and the process and methods of the research work have seen learned so that the way of their thinking has been has widened, the skill level has been improved and the use of modern apparatus and equipment has been learned.

(2) To further widen mind and eyes on research methodology.

To understand research procedure.

To be involved in research in frontier field.

Effectiveness

8. Do you think planned activities are appropriate to achieve the Project Purpose (加強中国林業科学院独立開展人工林木材基礎研究的能力)?

2 Yes, very much appropriate

Some activities are not so appropriate for the purpose of achieving the project purpose.

There are some activities which are very much necessary in order to achieve the Project Purpose, but not included in the PO (活動計画)

9. Please nominate Output (項目成果或者課題名称)、Activities (子課題或者活動名称)、Sub-activities (孫課題或者試驗名称) which are, in your opinion,;

- (a) very much effective for achieving the project purpose
1-1-a, 1-1-b, 2-1-a, 2-3-a, 2-4-a, 3-2-b
- (b) not so much effective for achieving the project purpose
1-2-b, 3-1-a, 3-3-a
- (c) activities necessary or very useful for the purpose of achieving the project purpose, but not included in PO(活動計画)

Others

10. How much has the project had impact on your organization? Please choose one appropriate answer below.

◆ Workload at your organization:

Increased very much Increased to some extent same as before reduced

◆ Motivation of your personnel:

Increased very much Increased to some extent same as before reduced

◆ Confidence of your personnel:

Increased very much Increased to some extent same as before reduced

11. Please feel free to give comments on the Project, issues and lessons related to the Project, or the problems that should be solved.

- a. Owing to the reasons of culture and language, the exchange between the scientists is not satisfactory. Communication between scientists should be strengthened.
- b. Proper condition has not been created for the community to understand the project. Public awareness should be promoted.
- c. Work plan should be strictly executed. Working plan should be carried out more effectively.
- d. Project management should be strengthened. Management of the project should be improved.

Thank you very much for your cooperation.

Questionnaire to the Counterpart Personnel

9 月 2 日現在回収 12 名分集計

姓名: _____

単位: _____ 領域: _____

Overall Performance

1. What is your evaluation on the current degree of the achievement of the Project? Please write the reasons that support your answer.

The current degree of the project achievement:

(6) is reached to the higher level than we planned (expected).

Reason / Comments:

- 1) Management level is higher than we planned (5 名)
- 2) Equipments are advanced than we expected (5 名)
- 3) The research direction and contents are more than we planned (2 名)
- 4) The experimental results and achievements are more than we expected (2 名)
- 5) The long term Japanese experts' appropriate and excellent are than we expected.
- 6) we obtain positive results and achievements are more than we expected (2 名)
- 7) The people of joining project and research direction and contents is more than we planned (2 名)

(6) is reached to the level as we planned (as scheduled).

Reason / Comments:

- 1) The communication between the two countries' experts stimulated the research method's improvement, and the counterpart expert's training in Japan can also enhance the capability in the research works. And the equipments provided by JICA organization is a great help to our project; and the administration style used by JICA organization can help the project carry out smoothly. (2 名)
- 2) Under the joint effort of Chinese researchers and Japanese experts main subprojects of the project have been done. Many new instruments on wood research from the JICA project have been applied. This will promote the research on wood of plantation forest in China.
- 3) Many new instruments on wood research from the JICA project have been applied. Main subprojects of the project have been done on the support of the new equipments. This will promote the research on wood of plantation forest in China.

(0) is not reached to the level as we planned in some parts.

(0) is not reached to the level as planned at all.

2. What is your self-evaluation on the current degree of the achievement of the part you have been involved? Please write the reasons that support your answer.

The current degree of the achievement of the part I have been involved:

(5) is reached to the higher level than we planned (expected).

Reason / Comments:

- 1) Using the GPC, X- ray micro- density, ESCA and so on, equipments advanced than I planned
- 2) Research level is higher than we expected. Because of using the advanced equipments (3 名)
- 3) Research contents is increase more than I planned (3 名)
- 4) I obtain research positive results are more than I expected
- 5) I have learned more skills and knowledge from Japanese Experts (2 名)
- 6) We obtain research positive results are more than I expected (3 名)
- 7) I am learning the experiences of project management and serious-minded work from Japanese experts
- 8) A master degree student graduates with

(7) is reached to the level as we planned (as scheduled).

Reason / Comments:

- 1) Management level is higher than we expected
- 2) Equipments are advanced than we planned
- 3) The counterpart expert's training in Japan can enhance the capability in the research works, such as the research method etc. (2 名)
- 4) The equipments that we hope are canceled because the equipments outlay is not enough.
- 5) I have finished samples preparation related to my subproject 1-1-d in the past three month, and begin to do the MOR and MOE testing.
- 6) I finished main testing experiments related to my subproject 1-2-b in FFPRI in Japan. The experiments have a satisfying result. The preliminary results show that it is a effective approach to improve productivity of wood by breeding new poplar clones.

(0) is not reached to the level as we planned in some parts.

(0) is not reached to the level as planned at all.

3. What do you think are the major factors that facilitated and/or hampered the achievement of the Project to date?

Factors Facilitating:

- 1) Project administration, the evaluation and mid-evaluation performed by JICA and Chinese counterpart; (3 名)
- 2) The equipment provided by JICA organization, Many new equipments have been applied for doing some experiments that could not been done ever before. (11 名)
- 3) The cooperation is friendship/closer for the Japanese Experts and Chinese Experts (4 名)
- 4) Long term and short term experts provided by JICA organization and the training of Chinese counterpart in Japan. (2 名)
- 5) Management level for the project is higher (3 名)
- 6) The new advice from Japan experts has made Chinese researchers get new hints on wood research.
- 7) Experts from Japan are helpful to project
- 8) Research training in Japan
- 9) Cooperative research with short and long term experts.

Factors Hampering:

- 1) The office condition and research surroundings are not good. (3 名)
- 2) If the equipments can come in time.
- 3) Delay delivery of some instrument
- 4) The equipments that we hope are canceled because the equipments outlay is not enough.
- 5) The expense for experiments is not enough and well budgeted in advance (2 名)
- 6) The efficiency of management of the advanced instruments of JICA project in CRIWI is not as high as that in FFPRI in Japan. (2 名)
- 7) Some Equipment are not adjusted well, such as hot presser

4. Do you have good understanding of the project framework described in PDM? Please indicate the factors affecting your understanding of the PDM.

5 very good

6 good

0 not good

0 poor

Factors: (e.g. what helped you to understand the PDM?)

- 1) I have a good understanding of the project framework though the research work (4)
- 2) The research works had been conducted before this project. And the policy issued by central government to protect the natural forest.
- 3) JICA meeting on the every Monday (6)

- 4) Making the whole project plan with Japanese experts through several times
- 5) The meeting for monitoring and evaluation on the project progress every three months
- 6) Attend the JICA scientific seminar

5. Do you use the monitoring sheet (or equivalent to monitoring sheet which enables the project to check the progress of daily works?)

2; Yes, I use and check the monitoring sheet regularly or often.

7; Yes, I check the monitoring sheet when necessary.

2; No, I do not use it.

1; No answer

Technical Transfer and Sustainability

6. What is the most effective or useful skills/techniques, or knowledge acquired through the cooperation? Please write three effective ones.

- 1) The ability to communicate with foreign experts is enhanced; (2 名)
- 2) The research method and equipment is improved; (2 名)
- 3) Management Such as “research progress report” every 3 months can enhance the project’s execution.
(2 名)
- 4) Raising the operation and analyze ability (2 名)
- 5) Using new SEM and fiber length measuring miter
- 6) The evaluation on wood properties using non- destruction methods
- 7) Promotion of the operation and analyze ability.
- 8) The use of dynamic mechanical analysis (DMA) in our research work.
- 9) The twin-screw extruder controlled by computer are very useful for our research work.
- 10) use the equipments to analyze the properties of the materials, such as DSC, DCA, contact angle etc.
- 11) PF resin synthesize
- 12) The methods of dimensional stability evaluation
- 13) Mechanical test methods for composites
- 14) The methods to study the morphological characteristic of composites by SEM and anatomy
- 15) The skill to make wood/polymer composites
- 16) Expanding the scope and deepness of research
- 17) Learning to use some new testing methods and equipments
- 18) Improving ability of research
- 19) Densimeter technique to measure annual ring with and mean density.
- 20) Dynamic observation of liquid flow path in wood.

21) Research paper writing.

7. Do you think you will be able to fully utilize the skill or knowledge currently transferred through the project even after the cooperation is ended? If not, what skill or knowledge do you think you cannot fully utilized?

6; I will be able to fully utilize the skill transferred.

6; I will be able to utilize most of the skill transferred.

0; I will be able to utilize some of the skill transferred.

0; I will have problem in utilizing the skill transferred.

The skill or knowledge that cannot be utilized:

(no answer)

Efficiency and Inputs to the Project

8. Do you think type, quantity of the equipment provided by the project were appropriate? Were they arrived at right timings? If not, what was the problem and why it happened?

◆Type of the equipment:

0 very appropriate 12 appropriate 0 not appropriate 0 not appropriate at all

◆Quality of the equipment:

0 very appropriate 10 appropriate 2 not appropriate 0 not appropriate at all

◆Timing of arrival:

11 as planned 1 delayed

Problem and reasons for the problem:

1) Hot presser can't work well, it need to adjust again.

• Efficiency and Inputs to the Project

9. How do you think Japanese experts dispatched for this project?

9.a. Long term experts

◆Field of specialty:	7 very appropriate	5 appropriate	0 not appropriate	0 not appropriate at all
◆Technical capability:	7 very appropriate	5 appropriate	0 not appropriate	0 not appropriate at all
◆Communication capability:	5 very appropriate	7 appropriate	2 not appropriate	0 not appropriate at all
◆Number of dispatch:	0 very appropriate	12 appropriate	0 not appropriate	0 not appropriate at all
◆Duration of stay:	0 very appropriate	10 appropriate	2 not appropriate	0 not appropriate at all
◆Timing of arrival:	12 as planned	0 delayed		

Problem and reasons for the problem:

System of communication between Chinese researcher and Japanese experts was not very efficient.
Some research work should be done with Japanese experts.

9.b. Short term experts

◆Field of specialty:	2 very appropriate	10 appropriate	0 not appropriate	0 not appropriate at all
◆Technical capability:	4 very appropriate	8 appropriate	0 not appropriate	0 not appropriate at all
◆Communication capability:	3 very appropriate	9 appropriate	0 not appropriate	0 not appropriate at all
◆Number of dispatch:	0 very appropriate	12 appropriate	0 not appropriate	0 not appropriate at all
◆Duration of stay:	0 very appropriate	10 appropriate	2 not appropriate	0 not appropriate at all

◆Timing of arrival:

12 as planned **0 delayed**

Problem and reasons for the problem:

- 1) Short term experts should have a report on research results after finishing the main research.
- 2) The duration of Japanese Experts to stay in china is too short, 2-3months is better, the duration of Chinese Experts to stay in Japan is too long, 3-4months is better.
- 3) Short term experts should have a report on research results after finishing the main research.

9. Do you think the training in Japan was effective/helpful for you? (scope, contents, period, and timing of training) If not, please write the matter in detail.

9 very effective **2 effective** **0 not effective** **0 poor**
1 I don't know because I have never been to Japan

Matters in detail:

- a. First, I could study some new methods and technology on wood science. second, I know more information on Japanese culture

Effectiveness

10. Do you think planned activities are appropriate to achieve the Project Purpose (加強中国林业科学院独立開展人工林木材基礎研究的能力) ?

12 Yes, very much appropriate
0 Some activities are not so useful
0 There are some activities which are very much necessary but not included in the PO (活動計画)

11. Please nominate Output (項目成果或者課題名称)、Activities (子課題或者活動名称)、or Sub-activities (孫課題或者試験名称) which are, in your opinion,;

(a) very much effective for the purpose of achieving the project purpose

- a. 1. Study on wood properties of Chinese Plantation Forest
2. Evaluation of the effect of inheritance and planting measurements on wood properties of Chinese Plantation Forest
- b. 1. Study on wood properties of Chinese Plantation Forest
2. Evaluation of the effect of inheritance and planting measurements on wood properties of Chinese Plantation Forest

(a) not so much effective for the purpose of achieving the project purpose

a. not clear

b. not clear

(b) activities necessary or very useful for the achievement of the project purpose, but not included in PO(活動計画)

a. Research on bamboo properties

b. Research on bamboo properties

Others

12. How much has the project had impact on you and your work? Please choose one appropriate answer below.

◆ Your workload:

3 Increased very much 9 Increased to some extent 0 same as before 0 reduced

◆ Your motivation:

7 Increased very much 5 Increased to some extent 0 same as before 0 reduced

◆ Your confidence:

10 Increased very much 2 Increased to some extent 0 same as before 0 reduced

13. Please feel free to give comments on the Project, issues and lessons related to the Project, or the problems that should be solve

1) I think the project is very good for the developing of Chinese plantation and utilization, at the same time, it promote the cooperation and communication in forestry and economical trade. It raise the research level in the field of forestry and forest production process for China and Japan. So I hope we can progress cooperation on the utilization and processing of plantation wood.

The problem's that CAF didn't more provide in the fund.

2) The project's execution in Research Institute of Wood Industry, Chinese academy of Forestry, will greatly enhance the research ability to the institute and researchers.

3) The project's execution in Research Institute of Wood Industry, Chinese academy of Forestry, will greatly enhance the research ability to the institute and researchers.

- 4) 我_ _ _ _ 合作形式很好。它不_ 有助于促_ 中国人工林木材的研究、利用，也_ 中日双方_ 家提供了一个交流、合作的平台，_ 今后双方在木材加工_ 域的_ _ 合作打下了良好的基_ 。
- 5) I think our JICA project is very nice for the development of Chinese plantation and its utilization. It is very good start for promoting of the research levels and cooperation in forest and forestry industry between Japan and China. So I hope that this project should be fellow up, CAF, CRIWI, and the project members and JICA should pay more attention on the project. As a scientist, I mast work hard and obtain more results ad write more good research paper. I believe our project will complete smoothly and successful through the efforts of whole project members under JICA, CAF and CRIWI leadership.
- 6) The project should be continued on the basis of the first-period project. If so, I think, there will be more research work can continue furthermore, and we can obtain more research results.
- 7) This project is very useful to accelerate the utilization of Chinese plantation, at the same time, it promote the research cooperation between China and Japan in forestry and forestry production. It raise the research level in the field of forestry and forest production process for China. So I hope we can progress cooperation on the utilization and processing of plantation wood in the future. The problem's that CAF didn't more provide in the fund.
- 8) The project have improved the level of wood science research. And arranging some Chinese experts to study in Japan so that more researchers could know more information on wood science and Japanese culture.
Chinese experts and Japanese experts need more communication.
- 9) The project have improved the level of wood science research in China. The result that JICA has dispatched some Chinese experts to study in Japan could make researchers know more information on wood science and Japanese culture.

Thank you very much for your cooperation.

平成14年 6月末現在

C/P配置一覧表

分野	C/P名	予算年 月	配置状況				本邦研修		備考 技術移転/技術習得状況等に関するコメント等 プロジェクト総責任者 H13.12月にて 定年退職、9月までは担当することを表明。 プロジェクト執行責任者 所長 副所長、事務室主任 副主任兼通訳 秘書 機材引取り担当 共用機材管理担当 運転手 材性室主任 教授 材性室 教授 H14.4/8~7/18 共産党の学習で実質不在 材性室 副教授 材性室 副教授 9月より産休に入る予定 材性室 助教授 任海青の引継ぎ 材性室 副教授 江澤慧院長補佐
			平成12年 4 7 0 1	平成13年 4 7 0 1	平成14年 4 7 0 1	平成 年 4 7 0 1	年度	主な研修先	
総括管理	張久栄	月	—	—	—	—	—	—	—
	葉克林		—	—	—	—	—	—	—
プロジェクト事務室	呂建雄		—	—	—	—	—	—	—
	胡馨芝		—	—	—	—	—	—	—
	王金平		—	—	—	—	—	—	—
	何清慧		—	—	—	—	—	—	—
	閻昊鹏		—	—	—	—	—	—	—
	於進国		—	—	—	—	—	—	—
	姜笑梅		—	—	—	—	—	—	—
	呂建雄		—	—	—	—	12	森林総研	—
	黄洛華		—	—	—	—	14	森林総研	—
	任海青		—	—	—	—	—	—	—
殷亞方		—	—	—	—	—	—	—	
費本華		—	—	—	—	13	森林総研	—	

王朝暉							13	森林総研	材性室 助教授 費本華の補助という形で配置された
吳書泓					*				粘着剤室主任 H13.6月から休職扱い、 H14.2/21 辞職とする旨の通知を受ける
吳玉章									木材保護室 副教授
秦特夫							12	森林総研	材性室副主任 教授
黃洛華									材性室 副教授 屬艶紅の引き継ぎ
李改雲									材性室 助教授 6月より配置
王 正									人造板室主任 教授
李春生									人造板室 副教授
屬艶紅					*		12	森林総研	粘着剤室 副教授 H14.5月に辞職
郭文静									人造板室 助教授
劉君良									材性室 副教授
周永東							13	森林総研	乾燥室 副教授
李曉玲									乾燥室 助教授 6月より配置
吳玉章									木材保護室 副教授
邢嘉琪							14	森林総研	木材保護室 副教授
傅 峰							13	森林総研	人造板室 教授 所長補佐
彭立民									人造板室 助教授 6月より配置
木材化学処理									
木材物理処理									

龍 玲					14	森林総研	人造板室	副教授
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(注1) 配置状況はバーチャート方式により記入 (— 配置実績 — 本邦研修) 。

(注2) 分野は原則として、日本人専門家も担当分野 (指導科目) に対応させる。

中国人工林木材研究项目中方对口专题负责人名单

26
2002年6月25日

序号	职责	姓名	职务/职称	单位	执行期
1	项目总负责人	张久荣	项目总负责人 教授	中国林科院	第1-5年
2	项目执行负责人	叶克林	所长/教授	木材工业研究所	第1-5年
3	1-1-a	姜笑梅	主任/教授	材性室	第1-3年
4	1-1-b	吕建雄	副所长/教授	材性室	第1-5年
5	1-1-c	黄洛华	副教授	材性室	第1-5年
6	1-1-d	任海青, 殷亚方	副教授, 助教授	材性室	第3-5年
7	1-2-a	费本华, 王朝晖	副教授, 助教授	材性室	第1-3年
	1-2-b	王朝晖, 费本华	助教授, 副教授		第2-4年
8	1-3-a	姜笑梅	主任/教授	材性室	第3-5年
9	2-1-a	秦特夫, 黄洛华, 李改云	教授, 副教授, 助教授	材性室	第1-3年
	2-1-b	黄洛华, 秦特夫, 李改云	副教授, 教授, 助教授		第2-4年
10	2-2-a	吴玉章	副教授	防护室	第2-4年
11	2-2-b	刘君良	副教授	材性室	第3-5年
12	2-3-a	秦特夫	副主任/教授	材性室	第1-3年
13	2-3-b	王正, 郭文静	主任/教授, 助教授	人造板室	第2-4年
	2-3-c	郭文静, 王正	助教授, 主任/教授		第3-5年
14	2-4-a	李春生	副教授	人造板室	第1-3年
	2-4-b				第2-4年
15	3-1-a	周永东, 李晓玲	副教授, 助教授	干燥室	第2-4年
	3-1-b				第3-4年
	3-1-c	李晓玲, 周永东	助教授, 副教授		第4-5年
16	3-2-a	吴玉章	副教授	防护室	第1-2年
	3-2-b				第2-5年
17	3-3-a	邢嘉琪	副教授	防护室	第1-5年
	3-3-b				第2-5年
18	3-4-a	傅峰, 彭立民	所长助理/教授, 助教授	人造板室	第2-4年
	3-4-b				第3-4年
	3-4-c	彭立民, 傅峰	助教授, 所长助理/教授		第4-5年
19	3-5-a	龙玲	副教授	人造板室	第2-4年
	3-5-b				第4-5年

番号

職責

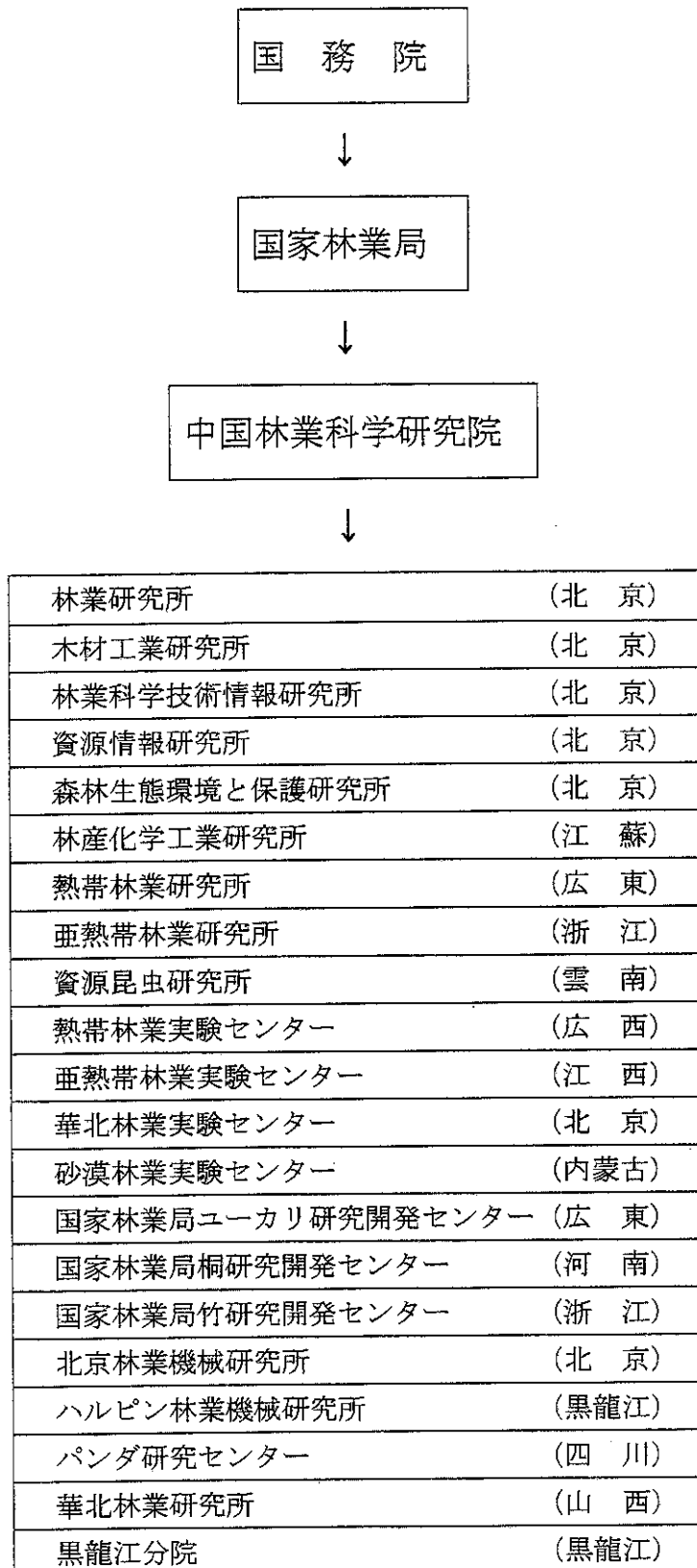
姓名

職務/職稱

所属研究室

プロジェクトでの
実施期間

中国林業科学研究院組織機構図



中国林業科学研究所木材工業研究所機構設置図

中国林業科学研究所

木材工業研究所

木材特性研究室 (21名の内C/P10名)

人造板研究室 (10名の内C/P6名)

木材保護研究室 (8名の内C/P2名)

接着剤研究室 (5名)

設備と自動化研究室 (13名)

事務室 (9名)

科学技術処 (10名)

財務課 (7名)

人事教育処 (19名)

三学会事務室 (2名)

国家人造板品質監督検測センター (16名)

サービスセンター (8名)

<木材工業>編集部 (4名)

木材乾燥と木製品研究発展センター
(10名の内C/P2名)

木材工業国家工程研究センター中間試験基地 (11名)

(門頭溝に設置)

発表業績一覧表

著者	題名	雑誌名	巻号	ページ	年
1 葉克林、呂建雄、志水一允	Studies on Chinese Plantation Timber	第112回日本林学会講演要旨		400-401	2001
2 志水一允、呂建雄、葉克林	Utilization of plantation wood in China	Proc. IS. Eco-Environmental Conservation & 21st Century's Forestry Management		238-242	2001
3 吳玉章、松井宏昭、片岡厚	コウウザンへのフェノール樹脂注入性の改善	日本木材加工技術協会第19回年次大会講演要旨集		60-61	2001
4 志水一允	水不足に悩む中国	日本農業新聞	3月26日		2001
5 李堅、江澤慧、劉君良	水溶性低分子量フェノール樹脂的合成	木材工業	15(4)	19-21	2001
6 廖艷紅、吳書泓	金屬塩催化剤対気体HCHO与纖維素及び其模型化合物反応影響	木材工業			
7 山田竜彦、廖艷紅、小野拓邦	Condensation reaction of degraded lignocellulose during wood liquefaction in the presence of polyhydric	日本接着学会誌	15(9)	17-20	2001
8 志水一允	中国における木材資源の供給と需要	Wide[(財)日本木材総合情報センター]	37	471-478	2001
9 葉克林	加入WTOと我国木材工業	木材工業	158	14-17	2001
10 劉君良、江澤慧、許忠允、沈徳	人工林軟質木材表面密実化新技術	木材工業	16(1)	6-9、12	2002
11 何江、吳書泓	木材的液化及其在高分子材料中的応用	木材工業	16(1)	20-22、28	2001
12 藤井智之、秦 特夫	木材とポリプロピレン複合材料の微細構造	森林総合研究所研究報告	16(2)	9-11	2002
13 峯村伸哉	木材的変色	木材工業	1	115	2002
14 林知行、傳峰、宮武敦、加藤英雄	構造用LVLの野外暴露試験Ⅱ:9年後の強度特性	第52回日本木材学会大会研究発表要旨集	16(2)	5-8	2002
15 山下香菜、平川泰彦、藤原健、費本華	ピロダイニンによる木材密度の測定条件の検討	第52回日本木材学会大会研究発表要旨集		123	2002
16 山田竜彦、廖艷紅、荒谷雅子、小野拓邦	ポリオール系木材液化及びES ₂ 処理での分解したセルロース由来物の縮合反応	第52回日本木材学会大会研究発表要旨集		514	2002
				583	2002

17	呉玉章、松井宏昭、片岡厚	コウヨウザンの樹脂処理による材質の改善(Ⅱ) —注入性及び樹脂の分布—	第52回日本木材学会大会研究 発表要旨集	586	2002
18	山下香菜、平川泰彦、中谷浩、 呂建雄	ボカスギのT,R,L方向の収縮率の樹幹内変動	第52回日本木材学会大会研究 発表要旨集	616	2002
19	秦 特夫	木粉加入量対木/塑複合材料性能影響的研究	木材工業	投稿中	
20	秦 特夫	Effect of wood Particle size on the properties of wood/polypropylene composites I -Mechanical properties	Chinese Forestry Science & Technology	投稿中	
21	黄洛華、秦特夫、富村洋一	Study on chemical components of alkaline nitrobenzene oxidation from plantation woods	Chinese Forestry Science & Technology	投稿中	
22	呂建雄、浦上弘幸、平川泰彦	Shrinkage and density variation of plantation-grown Chinese fir and Japanese cedar	The 7th World Conference on Timber Engineering	投稿中	
23	姜笑梅、殷亜方	楊樹木材解剖特性与基本密度的株内変異及其予測模 型	林業科学	発表予定	
				投稿中	

番号 分野 機材名称 型番 据付年月 購入金額 設置場所 使用者

2000年至2002年购置大型设备

序号	领域	名称	型号	国别	数量	单位	安装日期	购置价格	設置場所	使用者
1	木材单板装饰研究	小型单板漂染机	特制	中国	1	台	01.12	7000.00	人造板室	李春生
2	木材力学试验	恒温恒湿箱(培养箱)	SHH-250S	中国	1	台	01.12	9980.00	材性室	骆秀琴
3	木材力学试验	恒温恒湿箱(培养箱)	SHH-250S	中国	1	台	01.12	9980.00	材性室	骆秀琴
4	木材力学试验	冲击机	XJJ-5	中国	1	台	00.05	10000.00	人造板室	郭文静
5	胶粘剂试验	恒温恒湿箱	SH01	中国	1	台	00.07	11210.00	胶粘剂室	李学立
6	木材物理性能试验	空压机	H-6S	中国	1	台	01.03	12250.00	材性室	赵有科
7	木材复合材料试验	风机	MQ35-54 NO8	中国	1	台	01.01	14000.00	工程中心	王正
8	木材复合材料试验	开松机	QLK	中国	1	台	01.01	22000.00	工程中心	王正
9	木材复合材料试验	分离器	BFL-S-2000	中国	1	台	01.01	28000.00	工程中心	王正
10	胶粘剂试验	匀浆实验仪	rpm	美国	1	台	00.02	31461.26	胶粘剂室	李学立
11	甲醛释放测量	气候箱	HWX-10A1/bt 1m ³	中国	1	台	01.12	35000.00	检测中心	杨帆
12	木材胶粘强度试验	拉力压缩机	200LB	美国	1	台	00.02	37087.04	胶粘剂室	李学立
13	气体采样	空气采样仪	250ml	美国	1	台	00.02	46273.00	胶粘剂室	李学立
14	木质复合材料屏蔽电磁波机理研究	频谱分析仪	惠普EMC4701	美国	1	台	00.06	172700.00	人造板室	傅峰
15	木材材性研究	红外显微镜	FI-IR	美国	1	台	01.11	282325.00	重点实验室	闫昊鹏
16	木材加工	门窗加工中心机	Unicontrol	德国	1	台	01.01	79000.00	机电室	吴树栋
合计									1519266.3元	

分野	設置場所
1 木材単板装飾研究	人造板室
2 木材力学試験	材性室
3 “	”
4 “	人造板室
5 接着剤試験	接着剤室
6 木材物理性能試験	材性室
7 木材複合材料試験	工程センター (門頭溝)
8 “	”
9 “	”
10 接着剤試験	接着剤室
11 ホルムアルデヒド放散測定	検査測定センター
12 木材粘着強度試験	接着剤室
13 室内空気検査	“
14 木質複合材遮断板電磁波メカニズム研究	人造板室
15 木材材性研究	重点実験室 (6F)
16 木材加工	機電室

- 1, minitype veneer bleaching & dyeing machine
- 2, constant humidity and temperature chamber
- 3, constant humidity and temperature chamber
- 4, concussion machine
- 5, constant humidity and temperature chamber
- 6, air compressor
- 7, air blower
- 8, discharge & loosen machine
- 9, material separator
- 10, plasm even blend machine
- 11, formaldehyde emission chamber
- 12, wood tension and compression test machine
- 13, air collection apparatus
- 14, frequency analyse apparatus
- 15, IR microscope
- 16, door and window processing unit

中国林科院の機構改革の重大成果について

6月2日に中国林科院の分類改革第二段階活動に関する総括会議が開催された。国家林業局局長周生賢から招聘されて中国林科院首席科学家に任ぜられる第一部招聘状を中国林科院院長、国家林業局党委員会メンバーの江沢けいに授与された、次に江沢けい院長が招聘状を招聘されて首席科学家に任ぜられる15名の方に授与された。周局長は中国林科院の分類改革活動も段階性、実質性の成果を達成されたと述べた。首席科学家の採用期限を2年となる。

会議で周局長が中国林科院の機構改革は1996年8月に元国家科学技術委員会から機構改革モデル部門に指定されて以来、ずっと探索しながら前進し、前進しながら探索し、良い成績を取り上げた、國務院指導者と科技部、財政部、中編弁（国家機構改革体制編成弁公室）等がその成績を十分に確認された。そして、全国社会公益類（非営利）科学技術研究機構中に大きな反響を引き起こしている。科学技術機構改革の深化により、中国林科院の研究開発能力、市場競争能力と総合実力も著しく高められ、新世紀の林業の飛躍的發展のために確実な基礎を定める。今のところ、わが国の林業發展は重大的な轉換期に進入していて、林業に関する重大プロジェクトを実施しているもとに、林業の大きな發展という飛躍的發展道路に踏みつつあると指摘する。周局長が次ぎのように述べた、林業の大發展を実現させ、“奇襲によって勝を製す”には科学技術によること。林業の飛躍的發展を実現させようとしても、結局林業科技の飛躍的發展に頼らなければならない。中国林科院各クラス指導陣、広大な研究者および職員も新しい情勢をはっきり認識し、新たな任務を明確し、科学技術の進歩と林業の飛躍的發展との内在的連携を正確に認識させると同時に高度な緊迫感と責任感をもって積極的に改革の実践に身を投じて、改革による呼び覚まされた巨大意欲と創造力を十分に釈放させ、六大プロジェクトと林業の飛躍的發展のために引き続き新たな重大貢獻をさせよう。

科技部副部長李学勇、中央編弁四司司長吳知論、財政部教科文司副司長 路など会議参加し、あいさつを述べた。彼らは林科院第二段階の分類改革活動の成果を十分に確認して、今後の改革、發展に対して切実な希望と新しい要求を指摘された。

江院長が分類改革の進捗状況を紹介し、改革実施中の幾つかの体験について述べ、第三段階の活動内容を強調した。

中国林科院の機構改革が2001年11月から2003年12月にかけて完成する予定。5段階と10のユニットに分けて、60事項の主要活動に及ぶ、上位目標として林科院に属する20の研究機構中の8の機構を非営利性研究機構に改められる、1の研究所をコンサルタント機構に、11の機構を科学技術型企业に改められる。

江沢けいの紹介によると林科院の非営利専門技術者のポスト設置について、元の専門技術職務の制限を別にして、首席科学家、首席専門家、専門家、専門家補佐、科技研究補助者という五つのクラスのポストに設けて、きまった形式に拘らなく優秀人材を選抜招聘する。選抜招聘範囲および要求条件についてなかなか学術造詣の高く、国内外にも声望と栄譽を博している科学家を招聘に応じて首席科学家というポストについた。

中国林科院の第二段階分類改革が計画より一ヵ月早く6研究所の非営利ポストの招聘に応じて、353人が招聘に応じてそれぞれのポストについた、即ち、首席専門家ポスト57人、年功を積んでいる専門家ポスト16人、専門家ポスト112人専門家補佐ポスト83人、科技研究補助者ポスト40人です。調査によって、改革された各研究所の管理陣、を元の99管理ポストから今の61ポストに減少し、平均で半数近く減少された。

非営利機構の改革を推進させると同時に、林科院が科学技術企業科学研究機構改革の進行を速めている、11の科学技術企業に改められる機構は既に改革実施案と活動計画を正式に上級に報告した、今のところ、一段と国有資産を徹底的に調べあげている上で、経営性資産評価および資産分配の準備、マーケット調査、産業構造整備、関係制度の完備などに当たっている。その他に、科学技術情報研究所を依託とし、業界間の林業コンサルタント機構を構成させる活動も新たな進展が得られた。

この会議を終わってから、中国林科院の機構改革活動は全体推進の第三段階に入る。周局長が第三段階の活動について、厳密に検討し、真剣に組織し、科学機構改革を全面的に深化させるために、一つは江沢民党総書記の中央党校での講話を真剣に学び、思想開放に力を入れる必要があること；二つはすっかり構造調整という主な目的を巡って、科学技術資源を優先的に配置させ、勢いで完備・高効率の林業科技開発体系になること；三つはメカニズムの転換、制度更新を中心とし、一日も早く人材戦略を実施して、新しい時期の林業発展のために多くの優秀研究者を養成しなければならないこと；四つは改革活動に対する指導を確実に強めること、改革、発展、安定などの関係を正しく取扱って、改革を順調的、前へ進めていくと要求された。

第三段階改革活動について、江沢けい院長も次ぎの五点要求を強調した。一、経験を総括し、重点を明確し、招聘されていない人員を適当に安配すること；二、段階分けて実施し、全体推進し、機構転換研究所の科学技術企業に過度のスピードを速めること；三、機構を簡素化し、職能を転換させ、全面的に林科院管理機構の改革を始めること；四、優先的に配置し、資源の組み立て、総務センターを全面的に社会必要による管理モデルにしたがって推進し、企業化管理を施行させること；五、分野を広く拡大し、機能を完備し、出来るだけ速く全業界をカバーされる科技コンサルタント機構の構成を速めること。

綠色時報

2002. 6. . 4