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FINAL REPORT
ON CONTRACT No. 92/209 BETWEEN THE
UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)
AND
THE MOSCOW INTERNATIONAL ENERGY CLUB (MIEC)
FOR
THE EXECUTION OF SERVICES RELATED TO
THE SECOND INTERNATIONAL COURSE ON RESEARCH
AND INNOVATION MANGEMENT,
29 OCTOBER - 8 NOVEMBER 1992, MOSCOW

MOSCOW INTERNATIONAL ENERGY CLUB



BY DR. GAREGIN S. ASLANIAN
MIEC DEPUTY EXECUTIVE DIRECTOR

IVTAN, Izhorskaya 13/19
Moscow 127412
Russian Federation

INTRODUCTION

UNIDO-ICS, in cooperation with UNESCO Regional Office for Science and Technology in Europe and the Moscow International Energy Club organized in Moscow 29 October - 8 November 1992 the Second International Course on Research and Innovation Management.

The course was designed for directors of research laboratories, leaders of research projects, R&D managers in private and public enterprises, policy makers in the scientific and technological fields and was aimed at participants from developing and East European countries

In accordance with the contract No. 92/209 between the United Nations Industrial Development Organization (UNIDO) and the Moscow International Energy Club, MIEC provided the full services related to preparation activity and execution of this course.

This report outlines the provision of the main services covered by MIEC in accordance with the terms and conditions of the Contract No 92/209 (Project No US/GLO/89/104, Purchase Order No.: 15-2-2209H from 30 September 1992).

B O D Y

UNIDO-ICS, in cooperation with UNESCO Regional Office for Science and Technology in Europe (ROSTE) and the Moscow International Energy Club organized in Moscow 29 October - 8 November 1992 the the International Course on Research and Innovation Management.

MIEC in accordance with the Contract No 92/209 was responsible for the following terms of reference:

- accommodation of the participants from developing countries and New Independent States (NIS);
- accommodation of lectures for the duration of the course;
- local transportation for participants and lectures as per schedule of the course;
- use of lecture rooms and computer rooms;
- provision of computers as required;
- fees for local lectures and local staff.

The course was conducted in Moscow at the base of the very comfortable hotel "Uzkoe" of the Russian Academy of Sciences.

MIEC executed its full obligations related to course, providing:

- accommodation of 30 participants from developing countries, Russia and other NIS for the duration of the course;
- accommodation of 10 lectures, representing the London School of Economics and Political Science, The Stockholm Innovation Institute, Italian National Research Council, Italian Agency for New Technologies, Energy and the Environment, Commission of the European Communities;
- accommodation of the supporting staff from UNIDO-ICS;
- provision of meals for all participants, lecturers and organizing staff for the duration of the course;
- local transportation of the participants;
- provision of the IBM compatible PC/AT-386 and PC/At-286 computers and other required equipment;
- provision of the lecture and computer rooms;
- fees for the local lectures and local staff;

- provision of the simultaneous translation (Russian-English) for the duration of the course;
- social and cultural programs;

The sum of United States dollars six thousands (US \$6000) provided by the signed contract was spent to cover expenses incurred by MIEC.

Enclosures

- Annex A. Final list of participants
- Annex B. Programme of the course

PRELIMINARY PROGRAMME OF THE COURSE

1-2	Managing Change and Uncertainty: How Information Systems Can Help
Evening	An Appropriate IT Environment for a Research Lab. <i>Dr. E. Whitley, Professor I. Angell</i>
Market:	Leader Software
	Advanced Operating Systems
	Document Management
	Databases
	Discussion of Market Leader Software
	What is Information? What are Information Systems?
	Creating an Appropriate IT Strategy
	Opportunities and Risks of IT
Afternoon	Spreadsheets (Lotus 1-2-3) <i>Professor I. Angell, Dr. E. Whitley</i>
	Basic Spreadsheet Capabilities and Concepts of Lotus 1-2-3
	Practical Session with Lotus 1-2-3
1 day	IT Tools for Project/Laboratory Management
Evening	Further Applications of Spreadsheets <i>Dr. E. Whitley, Professor I. Angell</i>
Afternoon	The Spreadsheet as a Simulation Tool for Management <i>Dr. Gietzmann</i>
Evening	Supervised Practical Session (Optional)
1 day	IT Tools for Project/Laboratory Management
Evening	Structured Analysis with a Spreadsheet <i>Dr. Gietzmann</i>
Afternoon	Producing a Business Plan with a Spreadsheet <i>Dr. Gietzmann</i>
1 day	IT Tools for Project/Laboratory Management
Evening	Using a Spreadsheet in Managing the Business <i>Dr. Gietzmann</i>
Afternoon	IT in Project Management <i>Dr. A. Poullymenakou</i>
1 day	Technical and Economic Monitoring of R&D Projects
Evening	IT in Project Management <i>Dr. A. Poullymenakou</i>
Afternoon	Human and Organizational Resources
Managing	the Innovative R&D Team <i>Dr. G. Abramo</i>

	Management of Human Resources in a R&D Environment and the Russian Experience <i>Professor A. Khachatourian</i>
Evening	Computer Crime and Other IT Risks <i>Professor I. Angell</i>
6 th day	Analysis of the Target Areas of Scientific Products, Product Cycle, MKT Prospects
4.11.92	
Morning	Demand Analysis and Marketing - Analysis of the International Market of Scientific Products <i>Professor S. Nilsson</i>
	Analysis of the Internal Market of Scientific Products in Russia <i>Mr. R. Khairov</i>
Afternoon	Marketing of Scientific Products <i>Professor S. Nilsson</i>
	<ul style="list-style-type: none"> Product Cycle; How to Market Scientific Products New Business Ideas Analysis of the Target Areas of Scientific Products and Market Prospects
7 th day	The Environment of Research, Development & Innovation
5.11.92	
Morning	The Environment of R&D and Innovation <i>Professor S. Nilsson, Dr. B. Schmitz</i>
	<ul style="list-style-type: none"> "Megatrends": Do They Exist? Geopolitical, Social and Cultural Factors with Reference to Conversion Issues and to the Context of the European Community Demographic Changes Global Economic Trends
	Conversion Problems <i>Academician A. Scheindlin</i>
Afternoon	Emerging New Challenges for Research, Innovation and Business <i>Professor S. Nilsson</i>
	<ul style="list-style-type: none"> Deregulation of Markets Environmental Degradation: A New Business Opportunity? Sustainable Development: A Play with Words or an Opportunity? Technology Issues: Civilian Vs Military Technology A Global Strategy Game: How to Choose Regions and Countries for Future Market Penetration and Innovations Strategies for Tackling "New" Challenges
8 th day	Creativity and the Innovation Process
6.11.92	
Morning	Creativity and the Innovation Process <i>Professor S. Nilsson</i>
	<ul style="list-style-type: none"> The Best Conditions for a Creative Environment The Innovation Process What is Creativity?

	Patent Systems and International Regulations The Patent System in Russia <i>Professor V. Rassahin, "Rospatent", Russia</i>
Afternoon	Creativity and the Innovation Process How to Convert an Idea into a Product <i>Mr. P. Sinigaglia, Simod S.p.A., Italy</i> <i>Olivetti S.p.A., Italy</i>
	Organization and Management of Creativity and Innovation <i>Professor S. Nilsson</i>
	Case Studies on Creativity and Innovation: The Approach of ENEA and the "Prato Case" <i>Professor R. De Maria</i>

9 th day	Financing of Research, Innovations and New Product Development
7.11.92	
Morning	Financing of Research and Innovations Technology Policy in the '90's <i>Professor P. Bisogno</i>
	The Role of Technology Assessment and Policy Analysis in R&D Decision Making <i>Dr. B. Schmitz</i>
	Risk Capital; Management of Research and Innovation (A Learning Process) <i>Professor S. Nilsson</i>
Afternoon	New Product Development Time-to-Market # Just-in-Time Case Histories: Privatization <i>Professor S. Nilsson</i>
	Transition to Market Economy and Management of Innovation <i>Professor B. Milner</i>
Evening	A Nation's Experience: Roles of Government, Industry and Banks <i>Mr. P. Castellez, AVA Bank Ges., Austria</i>

10 th day	Strategic Management of Research and Innovation
8.11.92	
Morning	Concluding Session <i>Professors I. Angell, A. Forti, S. Nilsson</i>
	<ul style="list-style-type: none"> Management of Uncertainty and Complexity "Bureaucracy": How to Manage It Strategy of Research and Innovation Technology Transfer and Manufacture Managing Information Technology: Controlling or Coping? How to Write an Effective Business Plan
Afternoon	Round-table on "The Conditions in Russia for a Smooth Reinforcement and Development of the Research and Innovation Process" Discussion and Conclusions

TARGET

The Course is intended for directors of research laboratories, leaders of research projects, R&D managers in private or public enterprises, and policy makers in the scientific or technological fields.

PROGRAMME

The activity will be based on plenary lectures given by outstanding experts from leading industries worldwide as well as top-level academic establishments. Participants will also have the opportunity to benefit from practical sessions. The late afternoons will be occupied by 2-hour lecture sessions, on specially selected topics, and in some cases round-table discussions.

A common element of the Course will be the use of modern teaching methods such as videos and case studies.

ACADEMIC BOARD

The Academic Board will consist of:

- Commission of European Communities (CEC)
Brussels, Belgium
- European Institute for East-West Cooperation (EIEWC)
Venice, Italy
- Foundation for the Survival and Development of Humanity
Moscow, Russia
- Innovation Institute (IIS)
Stockholm, Sweden
- Institute of Economics
Moscow, Russia
- International Centre for Science and High Technology (ICS)
Trieste, Italy
- International Research Institute for Management Sciences (IRIMS)
Moscow, Russia
- Moscow International Energy Club (MIEC)
Moscow, Russia
- National Research Council (CNR)
Institute for Studies on Scientific Research and Documentation
Rome, Italy
- Russian Academy of Sciences (RAS)
Moscow, Russia
- Russian Ministry for Science and Technology
Moscow, Russia
- The London School of Economics and Political Science (LSE)
London, United Kingdom

and leading European industries.

COURSE DIRECTORS

Professor Augusto Forti, Academician Alexander Scheindlin

The Course will be held at:

Uzkoje Hotel
3a Litovsky Boulevard
Moscow 117321

Tel: +39-40-224572
Telex: 460449 APH I

ICS Secretariat
International Centre for Science and High Technology
ICS-UNIDO
P.O. Box 586
Via Grignano, 9
34014 Trieste, Italy

Fax: +39-40-224575
E-Mail: ICS@ICTP.TRIESTE.IT



UNITED NATIONS
INDUSTRIAL DEVELOPMENT
ORGANIZATION



INTERNATIONAL CENTRE
FOR SCIENCE
AND HIGH TECHNOLOGY



UNESCO REGIONAL OFFICE
FOR SCIENCE AND TECHNOLOGY
IN EUROPE (ROSTE)

International Course on Research and Innovation Management

Moscow

29 October – 8 November 1992

organized in co-operation with the

*Russian Ministry for Science and Technology
Russian Academy of Sciences
European Institute for
East-West Cooperation
Moscow International Energy Club*