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ENVIRONMENTAL TASK FORCE

TERMS OF REFERENCE

December 7, 1992

COORDINATION

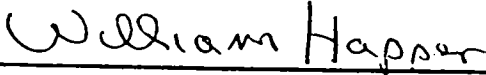
DoD



Dr. Victor H. Reis
Director, Defense Research and Engineering

12/10/92
(date)

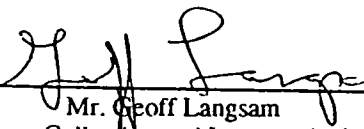
DOE



Dr. William Happer
Director, Office of Energy Research
DOE Science Technology Advisor

12/15/92
(date)

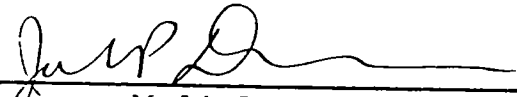
DIA



Mr. Geoff Langsam
Director, Collection and Imagery Activities

12/21/92
(date)

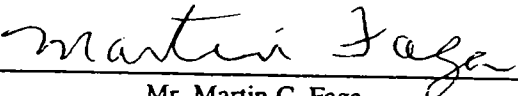
NSA



Mr. John P. Devine
Deputy Director, Technology and Systems

1/4/93
(date)

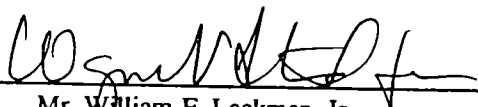
NRO



Mr. Martin C. Faga
Director, National Reconnaissance Office

1/26/93
(date)

CIO

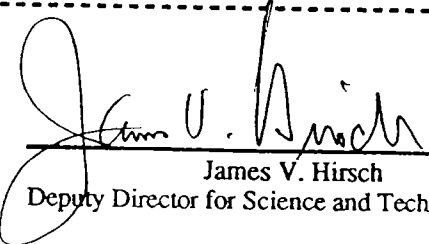


Mr. William F. Lackman, Jr.
Director, Central Imagery Office

2/1/93
(date)

Approval

CIA



James V. Hirsch
Deputy Director for Science and Technology

2/3/93
(date)

ENVIRONMENTAL TASK FORCE (ETF)

TERMS OF REFERENCE

I. Background

The Director of Central Intelligence, responding to a Congressional request, has formed a team of cleared scientists to work with the government to determine the applicability of classified systems and data to environmental science.

II. Objectives

The cleared scientists will:

A. Review:

1. the environmental community's information needs,
2. past, present, and near term classified systems, as well as, data/archives of interest,
3. current government efforts that apply classified data to environmental issues.

B. Evaluate classified systems and data/archives in terms of applicability to environmental science.

C. Recommend:

1. specific classified information of value for release for the environmental community,
2. follow-on research.

III. Organization

A. The Central Intelligence Agency (CIA), through its Directorate of Science and Technology (DS&T), is the lead organization for this effort. In order to conduct a thorough investigation of all classified programs that might support environmental science, participation has been solicited from the entire Intelligence Community (IC), the Department of Defense (DoD), and the Department of Energy (DOE). The ETF has 3 components: the Government Team, the Science Team, and the Support Team as shown in Attachment 1.

1. Government Team: This team will coordinate all government activities necessary to support the Science Team's evaluation of the applicability of classified information to environmental science. The heads of participating government organizations make up the ETF Steering Committee. The structure and membership of the Government Team and the ETF Steering Committee are shown in Attachment 2.
2. Science Team: This team, which consists of recognized experts in the U.S. environmental sciences community, will evaluate the applicability of classified information to environmental issues. The team is led by a tripartite chair who selected both the environmental science disciplines to be pursued by the task force and the other team members. The tripartite are also responsible for consolidating

the team's output. Team members will be granted access to collateral Top Secret, Sensitive Compartmented Information (SCI), DoD classified programs, and DOE Restricted Data. Non-government members of the team will be reimbursed by the government for travel and per diem expenses. Team members who are employees of the Federal Government will be reimbursed by their parent organizations. The structure and membership of the Science Team are shown in Attachment 3.

3. **Support Team:** This team, composed primarily of government and government contractors, will prepare and present briefings and related (written) material on classified systems and data/archives of potential interest to the Science Team. The ETF Executive Assistant is the Team Leader and responsible for coordinating the team's activities. Team members' parent organizations will provide their reimbursement. The structure and membership will be dynamic responding to the needs expressed by the Science Team.

B. The MITRE Corporation will provide support to the above teams.

IV. Approach

A. Representatives of the U.S. environmental community will identify their scientific needs—gaps in the respective disciplines. Based largely upon this input, the government will then brief the Science Team on classified systems and data bases in a series of meetings. Upon the conclusion of this series, the Science Team will report on those systems/data bases most applicable to environmental science needs. Appropriate policy steering groups—not included in the ETF—within the IC, DoD, and DOE will review the recommendations of the Science Team, and advise their parent organizations on release options on classified and sensitive unclassified information. IC, DoD, and DOE officials with cognizance of the appropriate data sets will then act on the recommendations of their policy steering groups.

1. The first meeting of the Science Team will be an unclassified conference on Environmental Science Data Needs. It will be held at The MITRE Corporation in McLean, Virginia, from October 19-20, 1992. The Chairmen of each of the science disciplines will form a panel and invite a limited number of colleagues to participate in the compilation of environmental needs. For purposes of this meeting, each panel may include up to 10 scientists. An additional panel on applications will be formed to ensure that the Science Team is fully aware of data needs beyond those associated with basic science. Applications may include data needs from the following areas: wetlands, forestry, geology, oil slicks, environmental restoration, etc. On October 20, each panel chairman will brief the government representatives on the panel's data needs, which will be used to help focus the briefings for the classified conference in November. The data needs brought forward by the scientists will be documented as an unclassified report. Government attendance at the October 19-20 meeting will be open to members of the Government and Support teams who will provide assistance to the Science Team.
2. The second meeting will be a classified conference on Systems, Data/Archives, and Applications. It will be held at The MITRE Corporation in McLean, Virginia, from November 16-20, 1992. Briefings will be provided by the Support Team to the Science Team. Briefings will include descriptions of:

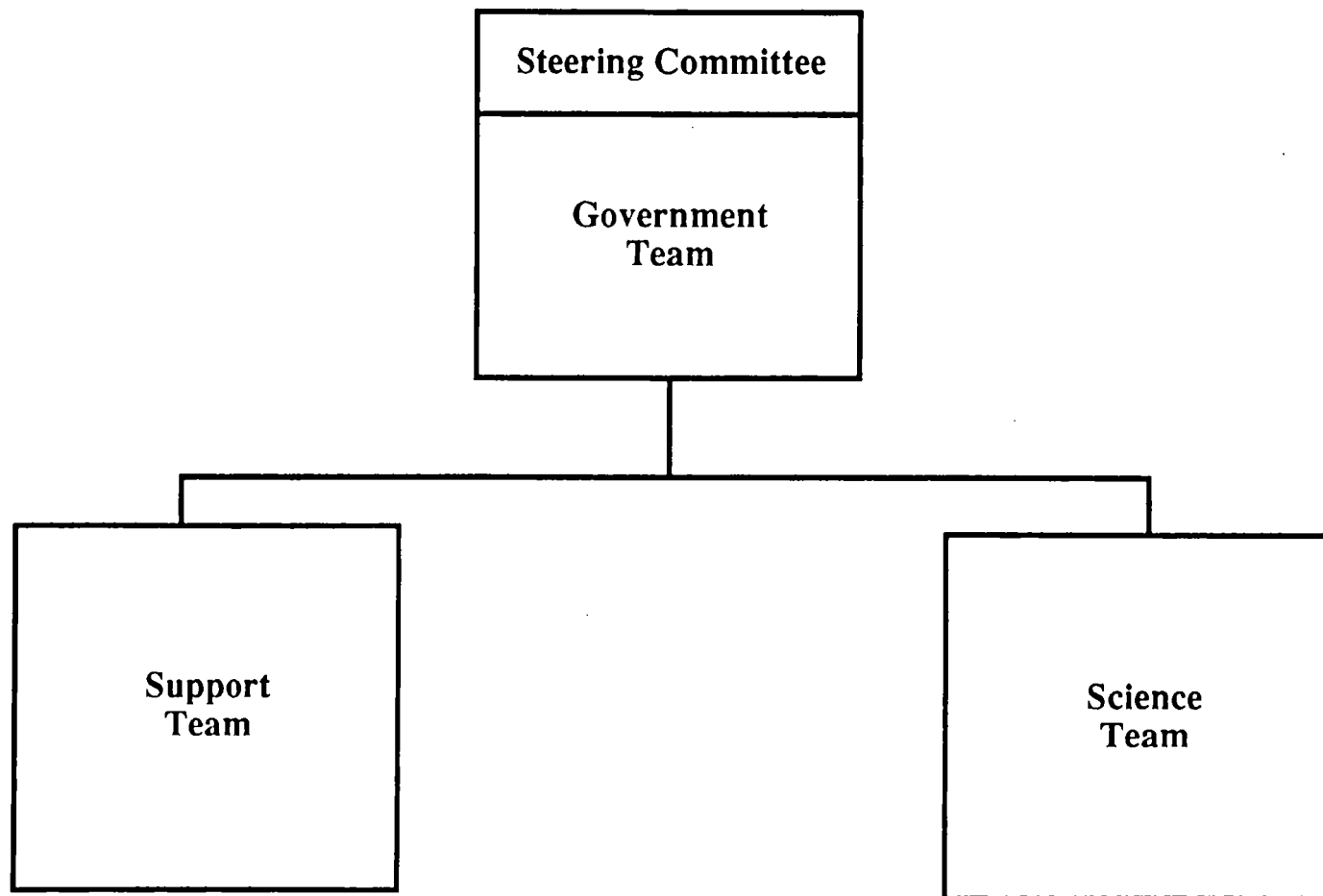
- a. classified systems' capabilities (past, current, and near-term [those reaching an initial operating capability within 3 years]);
 - b. archived data bases, including such characteristics as periods/areas of coverage; storage requirements; and changes in sensor parameters; and
 - c. government-sponsored activities that applied classified data to environmental issues.
3. It is anticipated that time constraints will not permit the briefing of all classified systems/data bases of potential interest to the Science Team. To ensure that as complete an information set as possible is provided, a notebook will be prepared for each panel member. The notebook will contain summaries of classified systems/data bases/applications of relevance, as well as those not initially selected for briefing during the November meeting. Systems/data bases that are unclassified will be included in the notebook if it is believed that a significant element of the Science Team is unaware of or unfamiliar with the information.
4. The Science Team will document their preliminary findings at the November 20 meeting. Their findings will include:
 - a. a refined set of their environmental data needs;
 - b. initial findings assessing and justifying the above data needs to classified data;
 - c. a plan for additional meetings,
 - d. identification of issues to be resolved; and
5. Follow-on meetings will be scheduled for December 1992–February 1993. These meetings will include briefings not scheduled in November 1992 and will also address issues and questions raised by the Science Team. The follow-on meetings may be either for the full panel or for selected panels, depending on content.
6. In February 1993 the tripartite will select proposals provided by the Science Team for government sponsored analysis and/or demonstration projects. These projects will assist in determining the applicability of some classified data sets toward resolving environmental issues. A limited amount of funds will be set aside to conduct these analysis and/or demonstration projects. The ETF Steering Committee will determine, working with the member organizations, where these experiments should be conducted. All of these projects should be completed by August 1, 1993.
7. A preliminary final report will be prepared by the Science Team at a meeting in March 1993. The tripartite chairmen of the Science Team will be responsible for organizing the report's contents, which should include the following:
 - a. final set of environmental data needs
 - b. final assessment and justification of classified system and data/archives in terms of applicability to environmental science

- c. recommendations for specific classified data sets for the environmental community
 - d. follow-on research.
8. After the analysis and/or demonstration projects are completed and submitted to the tripartite the final ETF report will be prepared by the tripartite.
 9. Upon completion, this report will be forwarded to the appropriate policy steering groups within the IC, DoD, and DOE. Additionally, briefings on the final report will be initiated to key IC, DoD, and DOE personnel.

V. Schedule of Events

October 19-20, 1992	Science Team identifies environmental data needs
November 16-20, 1992	Support Team briefs Science and Government Teams on classified systems, data archives and applications
November 20, 1992	Science Team identifies follow-on briefs and prepares initial findings
January 11-13, 1993	Support Team briefs Science and Government Teams on additional classified systems, data archives and applications
January 13, 1993	Cut-off date for tripartite chair to receive proposals from the Science Team on analysis and/or demonstration projects
February 1, 1993	Tripartite provides prioritized analysis and/or demonstration list to ETF Steering Committee
February 2, 1993	ETF Steering Committee recommends what government organizations complete these projects
February 15, 1993	Funds are released for analysis and/or demonstration projects
March 15, 1993	Science Team completes preliminary final report
August 2, 1993	Final reports on analysis and/or demonstration projects submitted to tripartite
September 30, 1993	Final report completed by tripartite
October 15, 1993	Final report provided to appropriate Policy Steering Groups, Briefings on report to key IC, DoD, and DOE personnel initiated

ENVIRONMENTAL TASK FORCE



ENVIRONMENTAL TASK FORCE GOVERNMENT TEAM

ETF EXECUTIVES

Chairman	Dr. Linda Zall Central Intelligence Agency (CIA) Office of the Director, Science and Technology (DS&T)
Vice Chairman	Dr. Norman Kahn Central Intelligence Agency (CIA) Office of the Director of Intelligence (DI)
Executive Assistant	CDR George Berry, USN Naval Research Laboratory (NRL) Office of Advanced Remote Sensing (Code 7200.1)

DoD TEAM

DoD Chairman	Col Grant Aufderhaar Office of the Director, Defense Research and Engineering
OSD(C3I)	Lindsey Williams Senior Advisor for MASINT Office of the Assistant Secretary of Defense for C3I
Army	Sheryl Morris Meteorologist Office of Deputy Chief of Staff on Intelligence
Navy	Robert Winokur Technical Director Oceanographer of the Navy
Air Force	Gary Vest Deputy Assistant Secretary of the Air Force Environmental, Safety, and Occupational Health
SDIO	Dr. David Holtkamp Deputy for Technology Office
DMA	Dr. Ken Daugherty Chief Scientist Defense Mapping Agency
DNA	Dr. David Auton Chief Radiation Policy Division

**ENVIRONMENTAL TASK FORCE
GOVERNMENT TEAM (con't)**

**OTHER ORGANIZATIONS
(NTM & Other Special Programs)**

NRO Rep:

Mr. Martin C. Faga
Director
National Reconnaissance Office

NASA Rep:
SP

Douglas Norton
Deputy Director
Administration and Resources Management Division

CIO Rep:
PPPD/PD

Laura Senty
Policy Analyst
Policy Division

ETF Government Team

Chair: Dr. Linda Zall/CIA
Vice Chair: Dr. Norm Kahn/CIA
Exec Assist: CDR George Berry/NRL

Department of Defense

Chair:
 Col. Grant Aufderhaar
 Office of Sec. of Defense
 Army
 Navy
 Air Force
 Strategic Defense Initiative
 Organization
 Defense Mapping Agency
 Defense Nuclear Agency
 Defense Advanced
 Research Projects Agency

Department of Energy

Chair: Tom Cremins
 Environmental Restoration
 and Waste Management
 Arms Control and Non-
 Proliferation
 Intelligence
 Defense Programs
 Energy Research

Defense Intelligence Agency

Chair: Dick Merrill
 Office of National Systems,
 (Requirements)
 Office for Global Analysis,
 (DIW1)
 Central MASINT Office
 Directorate for Collection &
 Imagery Activities,
 (Functional Management
 Staff)

Central Intelligence Agency

Chair: Dr. Ellen Tidd
 Directorate of Science and
 Technology
 Directorate of Intelligence

OTHER ORGANIZATIONS

Chairs:
 National Reconnaissance
 Office

Central Imagery Office
 Rep: Laura Senty

National Aeronautics & Space
 Admin. Rep: Douglas Norton

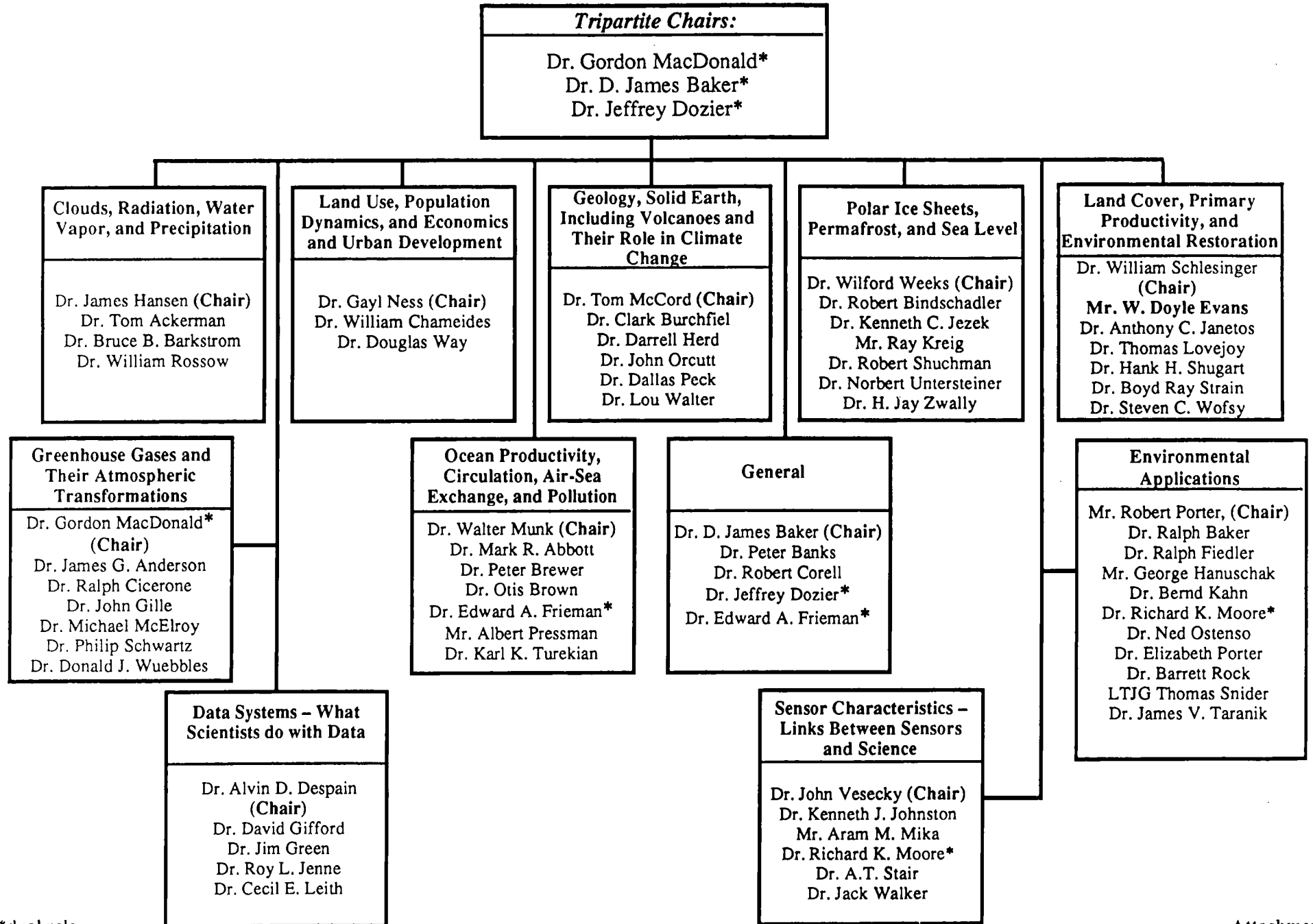
National Security Agency

Chair: Dr. Fred Berko

Operations Directorate
 Technology Directorate

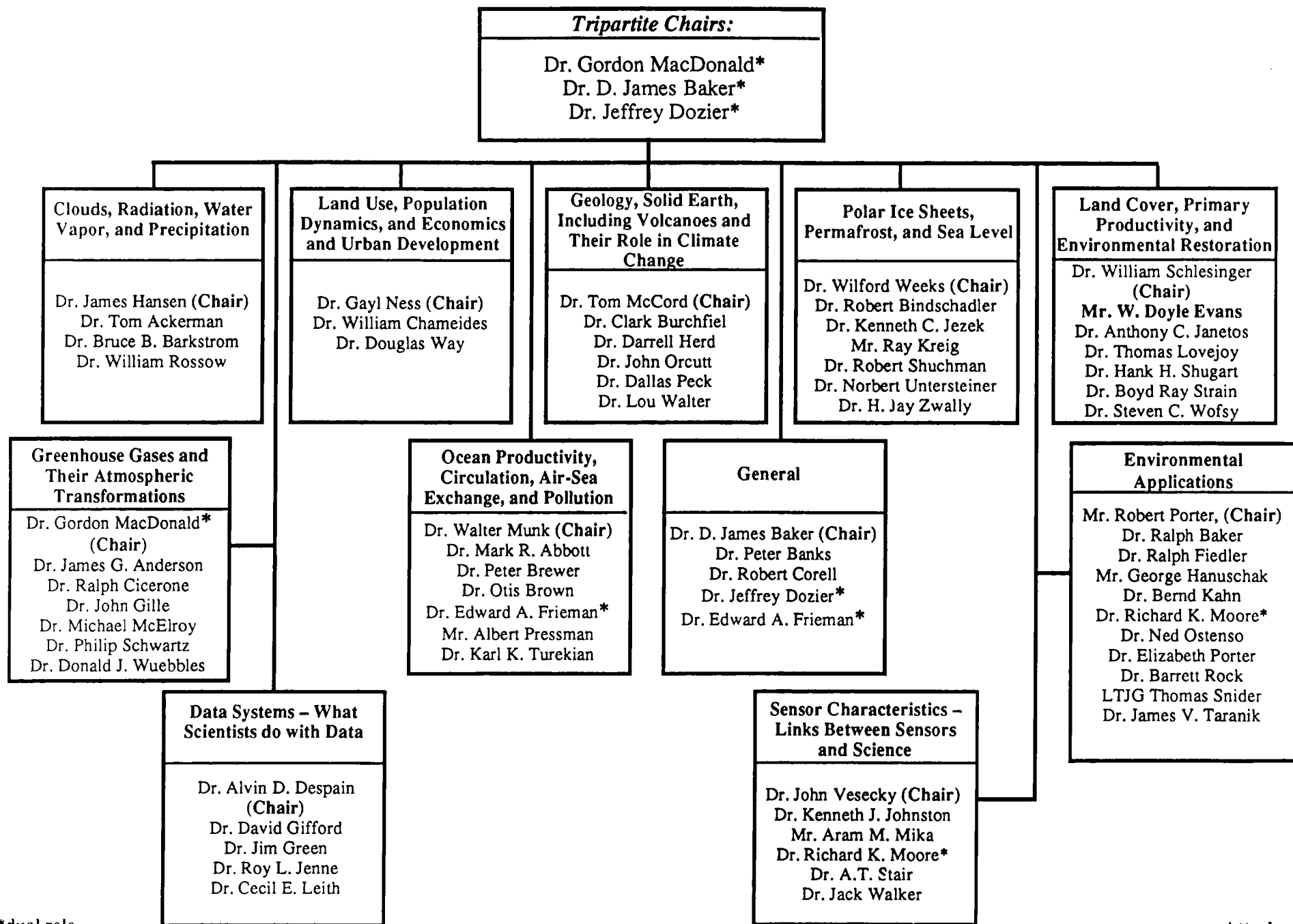
*Shading identifies members
 of the
 ETF Steering Committee*

ETF Science Team



*dual role

ETF Science Team



*dual role

ENVIRONMENTAL TASK FORCE

Classified Conference on Systems, Data Archives and Applications Agenda

November 16-20, 1992

The MITRE Corporation
7525 Colshire Drive
McLean, Virginia 22102-3481
(703) 883-6123
South Lobby

Monday, November 16, 1992

7:00 – 8:00	Check-in
8:00 – 8:15	Welcome by Director, CIA, Dr. Robert Gates
8:15 – 8:25	DOD Opening Remarks by DDR&E, Dr. Victor Reis
8:25 – 8:30	ETF Chairman Opening Remarks, Dr. Linda Zall
8:30 – 8:35	Intelligence Community Overview
8:35 – 9:00	Collateral Security Briefing/Indoctrination
9:00 – 9:10	Security Policy (Dick Krueger)
9:10 – 9:35	GEOSAT and Geoid Data
9:35 – 10:00	High Resolution Bathymetry Data
10:00 – 10:25	Master Oceanographic Observational Data (MOODS)
10:25 – 10:40	Break
10:40 – 11:20	Under Sea Surveillance Network
11:20 – 11:45	Submarine Collected Ice Data
11:45 – 12:10	Global Positioning System (GPS)
12:10 – 12:20	Army Databases and Applications
12:20 – 1:20	Lunch and Badge Photographs
1:20 – 1:45	SDIO Databases and Modeling (2 minute video)
1:45 – 2:10	SDIO Aircraft Platforms
2:10 – 2:35	MSX/CIRRIS
2:35 – 3:00	MSTI/TECHSAT
3:00 – 3:15	Break
3:15 – 3:40	DNA Tropospheric Applications
3:40 – 4:05	DNA Mesospheric & Thermospheric Applications
4:05 – 4:15	INTERNET Information (MITRE)
4:15 – 6:05	Break Into Panel Meetings
6:05	Adjourn

**- Classified Conference on Systems, Data Archives
and Applications Agenda**

(continued)

Tuesday, November 17, 1992

7:30 – 8:00	Check-in
8:00 – 8:10	Administrative Remarks
8:10 – 8:15	DOE Opening Remarks by Undersecretary of Energy, Dr. Hugo Pomrehn
8:15 – 8:40	"Q" Security Briefing/Indoctrination
8:40 – 8:55	DOE Overview
8:55 – 9:35	LIDARS
9:35 – 10:35	Airborne Sensors
10:35 – 10:50	Break
10:50 – 11:20	Space Sensors/Systems
11:20 – 11:30	Environmental Restoration Assessment
11:30 – 12:30	Lunch
12:30 – 1:15	Security Briefing/Indoctrination
1:15 – 1:30	Welcome and Overview, Mr. Martin Faga
1:30 – 2:30	A
2:30 – 3:00	B
3:00 – 3:15	Break
3:15 – 4:15	C
4:15 – 4:45	Imagery Processing Considerations
4:45 – 5:45	Global Grid
5:45 – 6:45	Break Into Panel Meetings
6:45	Adjourn
7:30 – 9:30	Reception, Sheraton Premiere Hotel at Tyson's Corner

**- Classified Conference on Systems, Data Archives
and Applications Agenda**

(continued)

Wednesday, November 18, 1992

7:30 – 8:00	Check-in
8:00 – 8:10	Administrative Remarks
8:10 – 10:30	Imagery Archive
10:30 – 10:45	Break
10:45 – 11:45	DMA Digital Data
11:45 – 12:45	Lunch
12:45 – 12:50	Applications Introduction
12:50 – 1:15	Cloud Radiance
1:15 – 1:30	Synthetic MSI
1:30 – 1:45	Gas Flaring at Oil Production Facility
1:45 – 2:10	Forest Estimation
2:10 – 2:30	Volcanoes
2:30 – 2:55	Radar Technology and Earthquakes
2:55 – 3:15	Total Electron Count
3:15 – 3:30	Break
3:30 – 3:50	Arctic Ice
3:50 – 4:10	Sea Ice Characterization
4:10 – 4:30	Urban Areas
4:30 – 5:05	MASINT Data Collection Program (MDCP)
5:05 – 5:40	Ultraspectral System
5:40 – 6:40	Break Into Panel Meetings
6:40	Adjourn

**- Classified Conference on Systems, Data Archives
and Applications Agenda**

(continued)

Thursday, November 19, 1992

7:30 – 8:00	Check-in
8:00 – 8:05	Administrative Remarks
8:05 – 9:05	NSA Brief
9:05 – 9:15	U-2 Aircraft Overview
9:15 – 9:25	SR-71 Systems Overview
9:25 – 9:45	U-2 Systems Overview
9:45 – 10:00	SR-71 Systems Overview
10:00 – 10:20	Attache Collection Overview
10:20 – 10:35	Break
10:35 – 11:35	DOD Imagery Archive Overview
11:35 – 12:35	General Defense Intelligence Database Overview
12:35 – 12:45	Medical Intelligence Overview
12:45 – 1:50	Lunch
1:50 – 2:30	DSP System Overview
2:30 – 2:40	MASINT Overview
2:40 – 3:00	Mt. Saint Helen Eruption
3:00 – 3:20	Cobra Brass
3:20 – 3:35	Cobra Ball
3:35 – 3:50	Break
3:50 – 4:10	Infrared Radiometry
4:10 – 4:20	Radar Cross-Section Data
4:20 – 4:35	Other Satellite Collection
4:35 – 4:45	Seismic-Hydro-Acoustic
4:45 – 4:55	Air Sampling-Nuclear
4:55 – 5:05	Laboratory Analysis
5:05 – 5:15	TECRAS
5:15 – 6:15	Break Into Panel Meetings
6:15	Adjourn

**- Classified Conference on Systems, Data Archives
and Applications Agenda**

(concluded)

Friday, November 20, 1992

7:30 – 8:00	Check-in
8:00 – 8:10	Administrative Remarks
8:10 – 8:20	CIA DI Opening Remarks
8:20 – 8:25	CIA All Source Analysis
8:25 – 8:45	Population Societal Data
8:45 – 9:30	Energy Resource Assessment
9:30 – 10:00	Russian Nuclear Waste Disposal
10:00 – 10:30	Foreign Crop Assessment
10:30 – 10:45	Break
10:45 – 11:00	Marine Collection
11:00 – 11:30	Hurricane Damage Assessment
11:30 – 12:45	Scientist Break Into Panels
12:45 – 1:45	Lunch
1:45 – 3:30	Scientists Break Into Panels
3:30 – 3:45	Break
3:45 – 4:45	Science Team: Initial Findings and Recommendations
4:45	Adjourn

ETF Government Team

*Chair: Central Intelligence
Agency/Directorate of
Science and Technology*

Department of Defense

Office of Sec. of Defense
Army
Navy
Air Force
Strategic Defense Initiative
Organization
Defense Mapping Agency
Defense Nuclear Agency
Defense Advanced
Research Projects Agency

Department of Energy

Environmental
Restoration
and Waste
Management
Arms Control and Non-
Proliferation
Intelligence
Defense Programs
Energy Research

Defense Intelligence Agency

Office of National Systems,
(Requirements)
Office for Global Analysis,
Central MASINT Office
Directorate for Collection &
Imagery Activities,
(Functional Management
Staff)

Central Intelligence Agency

Directorate of Science
and
Technology
Directorate of Intelligence

OTHER ORGANIZATIONS

National Reconnaissance
Office

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ENVIRONMENTAL TASK FORCE PANELS

January 27, 1993

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Greenhouse Gases and Their Atmospheric Transformations

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File - Commission on Sust. Dev.

Friday morning

2-6-93

KATIE:

Just to let you know where things stand on the EC issue at the ECOSOC meeting in NY. (The NGO issue was resolved by concensus.)

According to Ed Marks, the EC is essentially alone on its quest for what really amounts to a constitutional change with respect to their role and participation. The U.S., he indicates, is totally in sync with Japan, Canada, Australia and others. That is, they are willing to either accept Rule 74 or the Sec. General's proposal. The Group of 77 apparently believes they should have less status than is in the Sec. General's proposal. It is apparently unclear as to what the EC will do today, but they have threatened to come to Washington and complain -- a political gesture, it seems to me, since they have no supporters elsewhere in the world. In any event, he will keep me informed and I will keep you informed.

Eile

EILEEN, who is still waiting for a definitive answer from Sandy Berger