

1975. 6. 18

気象庁

への需要が増大していることを考慮し、
関係加盟国が FGGGE と WWW 計画の成功のために

第7回 WMO 総会における気象衛星関連事項

各種の衛星計画を開発、整備するに貢献していることを称賛し、

1. 議事要旨 (抜粋) (仮訳)

次のことを強く要請する。

- 3.1.3.2.6 総会は、5個の静止衛星と2個の極軌道衛星のシステムが FGGGE の期間運用されるであろう

(1) 衛星の運用国及び機関は、FGGGE 終了後も WWW 計画の一環として、軌道衛星及び静止衛星を開発及び継続する

ことを報告を受けた。現在の段階では、極軌道衛星と2個の静止衛星だけが、FGGGE 以降も継続される計画で

こと、また、これら衛星からの情報の配布を続けること。

あることが注目された。総会は WWW の観測組織の一環として、FGGGE 以降も宇宙ベースのサブシステム (= 気象衛

(2) 衛星の運用国及び機関並びに関係情報抽出センターは、気象衛星の成果が最大限にすべての利用者に確保される

星) の必要性を認識し、衛星運用者に対し静止衛星の開発、維持を続けることを強く要請した。

ために、技術的及び運用上の調整に最善を尽くすこと。

- 3.1.3.2.7 総会は (前項に關して) 決議 3.1/6 (Cg-III) を採択した。

執行委員会に対し、1980年代の気象衛星システムの運用の適切な計画を策定するよう措置すること、及びその詳細な

報告書を第8回総会に提出することを要請する。

2. 決議 3.1/6 (Cg-III): 「気象衛星計画」 (仮訳)

総会は、

1976~1979 の WWW 計画、及び提案されている5個の

静止衛星システム 及び 2 個の軌道衛星システムが、FGGGE 期間中の WWW システムの一環として運用が期待されることを注目し、

世界のすべての気象機関において、気象、海洋、水文及び他の環境問題への応用のために、衛星から受信される情報

3.1.3.2.2 Congress noted the capabilities of the satellite-based data collection platforms and urged Members to make use of this method of data collection from fixed and mobile platforms. It also noted with interest that the admission and certification procedures for these platforms are being developed by the satellite operators. Congress was informed that appropriate information and guidance material will be distributed by WMO to all Members when it becomes available.

3.1.3.2.3 Congress noted with satisfaction the steps undertaken by the EC Panel on Meteorological Satellites and the Committee on the Co-ordination of Geostationary Meteorological Satellites (CGMS) in the field of technical and operational co-ordination. Congress encouraged and urged the satellite operating Members and the respective information extraction centres to do their utmost in the field of co-ordination, in order to ensure the maximum benefit from the meteorological satellite system to all users.

3.1.3.2.4 Congress recognized the role of geostationary meteorological satellites in conveying data from those and polar-orbiting satellites and asked Members operating satellites to keep this aspect in mind.

3.1.3.2.5 Congress noted that there are regional plans to establish co-operative programmes between Members to obtain a maximum amount of satellite data and products and minimize the overall cost in establishing ground receiving stations. Congress encouraged such arrangements and requested regional associations to take appropriate action.

3.1.3.2.6 Congress was informed that there will be five geostationary satellites and two polar orbiting satellite systems in operation during the First GARP Global Experiment (FGGE). It was noted that at present only the polar-orbiting satellite systems and two of the geostationary satellites are planned to be maintained beyond the First GARP Global Experiment. Realizing the need for the space-based sub-systems beyond the FGGE period, Congress urged the satellite operators to continue to develop and maintain geostationary satellites as part of the World Weather Watch observing system.

3.1.3.2.7 Congress adopted Resolution 3.1/6 (Cg-VII)

3.1.3.3 Activities of the Commission for Basic Systems (CBS)

Congress noted with great appreciation the report of the president of CBS. It also noted with satisfaction that the Commission for Basic Systems continued to play a very important role in the development and implementation of the World Weather Watch. It also noted and agreed to the planned work programme of this Commission for the seventh financial period recorded in the report of its sixth session.

Draft Resolution 3.1/6 (Cg-VII)

METEOROLOGICAL SATELLITE PROGRAMMES

THE CONGRESS,

NOTING the World Weather Watch plan for 1976-1979, and the proposed five geostationary satellite systems and the two polar orbiting satellite systems that are expected to be in operation as part of the World Weather Watch system during the first GARP Global Experiment,

CONSIDERING the growing need of all Meteorological Services in the world for information received from satellites for applications in meteorology, oceanography, hydrology and other environmental programmes,

COMMENDS the Members concerned for their contribution towards the development and establishment of various satellite programmes for the success of the FGGE and the World Weather Watch;

URGES:

(1) The satellite-operating Members and organizations to develop and maintain the polar orbiting and geostationary satellites as part of the World Weather Watch programme and to continue to disseminate information from these satellite systems after the completion of the First GARP Global Experiment;

(2) The satellite-operating Members, organizations and the respective information extraction centres to do their utmost in terms of technical and operational co-ordination, in order to ensure the optimum benefit from the meteorological satellite system to all users;

REQUESTS the Executive Committee to arrange for the development of suitable plans for meteorological satellite systems for operation in the 1980s and to submit a detailed report to Eighth Congress.

1975. 6. 18
気 象 庁

第27回 WMO 執行委員会における気象衛星関連事項

1. 議事要旨 (抜粋) (仮訳)

○ 3.1.6 執行委員会は、第7回総会(Cg-VII)の決議3.1/6 気象衛星計画に注目した。また、1975年4月ジュネーブで開催

EC 気象衛星専門家パネル第2会期の報告を満足をもって注目した。委員会は、パネルに対し、その報告の各節にみられる、価値ある示唆及び勧告について謝意を表明した。

○ 3.1.8 執行委員会は、ESRO が WMO を通じ、第I地区協会(RA-I)の加盟国に対し、(Meteosat計画の)概要説明会を

組織する計画にしていることを謝意をもって注目した。委員会は、かかる会合は促進されるべきであるとの見解であった。委員会は、

1977年に第II及びIV地区協会の地域セミナーを組織することに関するパネルの示唆を是認して、事務総長に対し、これらセミナー

を UNDP の援助を得て準備するよう要請した。委員会はまた WMO が IAMAP (国際気象及び大気物理学会) 及び COSPAR

と共同して、シンポジウム及びセミナーを組織すべきであるとの見解を支持した。委員会は、これらシンポジウム及びセミナーは、各国の

気象機関(業務)が、衛星データの利用から十分な利益を抽出することを支援すると痛感した。

○ 3.1.12 執行委員会は、(EC-気象衛星)パネルが進めている事

の重要性の見地から、パネルを再設置(継続)することを決定

した。これに関連して、委員会はパネルの名称を“EC-気象衛星専門家パネル”と改正するとし、パネルの提案に同意した。委員会は

決議 3.1/4 (EC, XXIV) を採択した。

2. 決議 3.1/4 (EC, XXVII) EC-気象衛星専門家パネル設置 (仮訳)

○ 付随事項 (抜粋)

(a) 衛星の開発・運用国(機関)の計画を、現在進められているベースで記録を維持し、事務総長がこの情報と加盟各国に利用でき

るものとするのを援助すること。

(b) 各衛星計画を、WMO のあらゆる計画との関連において分析し、

執行委員会及び事務総長に適切な勧告をすること。また関係 WMO 構成組織との間を適切に調整すること。

(c) WMO の衛星関連諸活動の調整の中心として活動し、他の WMO 組織が、衛星技術の開発及び実用化に提供された

機会あるいは問題領域を見分けるのを援助すること。

(d) 各衛星システム マネージャ間の、特に WWW, GARP 及び他

の WMO 計画との、計画調整の準備をすること。

(以下 附帯)

○ 構成メンバー

(a) 日、米、ソ連代表、(b) ESRO の代表

(c) CBS, CAS 委員長、(d) オーストラリア代表

(e) EC 代表 2 名、(f) JOC 代表

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- (b) Arrange with CBS in consultation with CIMO, CAEM and ICAO, as a matter of urgency, for the planning studies called for in this resolution to be carried out by the WMO technical commissions concerned and ICAO and to report the findings to the Executive Committee in due course.

Mobile ship reports

3.1.5 The Executive Committee noted Resolution 3.1/4 (Cg-VII) - Improvement in observational data coverage over the oceans - and requested the Secretary-General, in consultation with the presidents of technical commissions and international organizations concerned, to arrange as a matter of urgency for the conduct of the studies to improve the international system for the collection of marine observational data, including wider use of modern communication technology.

Meteorological satellite programmes

3.1.6 The Executive Committee noted Resolution 3.1/6 (Cg-VII) - Meteorological satellite programmes. It also noted with satisfaction the report of the second session of the EC Panel of Experts on Meteorological Satellites, which was held in Geneva in April 1975. The Committee expressed its appreciation to the panel for the valuable suggestions and recommendations that appear in various sections of the report.

3.1.7 The Committee noted the panel's suggestion with regard to the publications primarily designed for the dissemination of information related to meteorological satellites and application of information received from these satellites. It agreed that the Secretary-General should assist in the preparation of these publications as required and arrange for the distribution to all Members. Resolution 3.1/2 (EC-XXVII) was adopted.

3.1.8 The Committee noted with appreciation that ESRO plans to organize, through WMO, briefing meetings for Members of RA I. The Committee was of the opinion that such meetings should be encouraged. The Committee endorsed the suggestions of the panel with regard to the organization of a regional seminar for Regions II and V in 1977 and requested the Secretary-General to arrange these with the assistance of UNDP. The Committee also supported the view that WMO should organize symposia and seminars in collaboration with IAMAP and COSPAR. The Committee felt that these seminars and symposia will assist national Meteorological Services in deriving full benefits from the application of satellite data.

3.1.9 The Committee was informed about the preparation of a draft of a conceptual document describing an envisioned satellite system for the 1980s in support of WMO programmes. It took note of the work programme leading to the conceptual document and requested the Secretary-General to provide the necessary resources to accomplish the planning.

3.1.10 The Executive Committee concurring with the view expressed by the panel, requested the Secretary-General to arrange for informal planning meetings between satellite operators and experts working in various fields of application (preferably nominated by the respective technical commissions) to formulate meaningful requirements for satellite data application in oceanography and environmental programmes of WMO. Resolution 3.1/3 (EC-XXVII) was adopted.

3.1.11 As regards co-ordination of the work of various WMO technical commissions in the field of meteorological satellites, the Executive Committee felt that the various technical commissions within their terms of reference should concentrate on the tasks as listed below:

- (a) CBS shall be responsible for the specification of operational requirements for satellite data, studying the impact of satellite data on meteorological operations, development of suitable codes for the dissemination of satellite data, and ascertaining the adequate telecommunication facilities for the exchange of satellite information;
- (b) CAS shall be responsible for studying the application of satellite data in research and climatic modelling and suggest the requirements for parameters and accuracies needed for such studies;
- (c) CIMO shall be responsible for promoting the development of new and improved satellite sensors to meet the needs of WMO programmes and co-ordinating the studies related to evaluation of the remote sensors;
- (d) CAEM, CMM, CHy, CoSAMC and CAgM shall be responsible for stating the requirements for and developing applications of satellite data insofar as it concerns their terms of reference.

Furthermore, the Committee requested the Secretary-General to communicate the above tasks to the presidents of technical commissions concerned. The Committee requested the president of CBS to arrange for appropriate satellite expertise on the four main working groups of the Commission.

3.1.12 In view of the important work the panel is undertaking, the Committee decided to re-establish the panel. In this connexion, the Committee agreed to the suggestion of the panel to revise the name of the panel to "Executive Committee Panel of Experts on Satellites". The Committee adopted Resolution 3.1/4 (EC-XXVII).

3.1.13 The Committee endorsed the view of the panel that the presence of a satellite expert from the panel at the FGGE meetings might be useful while formulating and co-ordinating the plans for the global experiment, and requested the Secretary-General to bring it to the attention of the chairman of the Intergovernmental Panel on FGGE.

3.1.14 The Executive Committee approved the suggestions of the panel with regard to establishing communication between the EC Panel of Experts on Meteorological Satellites and the chairmen of the EC Panel on Meteorological Aspects of Ocean Affairs and the IOC/IGOSS Working Committee regarding satellite-related activities. In this connexion, the Committee requested the Secretary-General to initiate appropriate action for the co-ordination.

Draft Resolution 3.1/4 (EC-XXVII)

ESTABLISHMENT OF A PANEL OF EXPERTS ON SATELLITES

THE EXECUTIVE COMMITTEE,

NOTING:

- (1) Resolution 6 (EC-XI),
- (2) Resolution 15 (EC-XII),
- (3) Resolution 10 (EC-XIII),
- (4) Resolution 1721 (XVI) of the United Nations General Assembly,
- (5) Resolution 21 (Cg-IV),
- (6) Resolution 4 (EC-XV),
- (7) Resolution 4 (EC-XXV),

RECOGNIZING:

(1) The increasingly international character of satellite programmes, and the larger number of Members participating,

(2) The need for a more effective system of information exchanges between Members and the authorities responsible for developing and operating satellite systems,

REALIZING the importance of providing an appropriate forum for the co-ordination of certain international activities in connexion with the processing and utilization of data provided by satellites,

DECIDES:

(1) To re-establish the Panel and to change the name of Panel of Experts on Meteorological Satellites to Panel of Experts on Satellites with the following terms of reference:

- (a) To maintain on a current basis a record of the plans of Members for satellite developments and operations, and to assist the Secretary-General in making this information available to Members;
- (b) To analyse satellite plans with respect to all WMO programmes, making appropriate recommendations to the Executive Committee and the Secretary-General; co-ordinating as appropriate with relevant WMO constituent bodies;

- (c) To act as a focus in WMO for the co-ordination of activities with relation to satellite matters, assisting other WMO bodies in identifying opportunities or problem areas presented in the development and application of satellite technology;
 - (d) To provide for programme co-ordination among satellite system managers, especially with respect to World Weather Watch, GARP, and other WMO programmes;
 - (e) To consider data requirements of Members, making this information available to managers of satellite systems in terms of satellite data output, standards, etc.;
 - (f) To consider the unique aspects of processing and dissemination of satellite data to meet the needs of Members;
- (2) To invite the following to serve on the Panel:
- (a) Representatives of Japan, the United States of America, the Union of Soviet Socialist Republics;
 - (b) A meteorologist to represent the participants in the European meteorological satellite programme, the nomination to be made in agreement with the Director-General of the European Space Research Organization;
 - (c) The president of the Commission for Basic Systems and the president of the Commission for Atmospheric Sciences to serve in an ex-officio capacity;
 - (d) A representative of the World Meteorological Centre - Melbourne;
 - (e) Two members of the Executive Committee, namely Mr. and Mr.;
 - (f) The chairman of the Joint Organizing Committee for GARP or his representative.