

REPORT OF THE MEETING TO EVALUATE THE TRIAL RUN
OF THE PROPOSED ICES ADP SYSTEM C)

The following members of the ADP Working Group and the Herring Assessment Working Group met again on 1 October 1974 during the Statutory Meeting to review progress with the Trial Run and discuss Appendix III to Document C.M.1974/D:5:

Mr F. Billström
Mr A.C. Burd
Mr J. Møller Christensen
Dr A. Corten
Mr D. Griffith
Mr H. Lassen
Mr A. Maucorps
Mr J.A. Pope (Chairman)
Mr K. Postuma
Mr A. Saville
Mr Ø. Ulltang
Mr G. Wagner

Although the Trial Run had not been completed, the Group noted that all the necessary computer programmes had been written and some testing done on simulated material. No testing had been done on the herring material since a considerable number of errors in this had been detected at the ~~testing~~ *setting* stage.

The members of the Herring Assessment Working Group who were present at this Meeting expressed their *continuing* interest in the Trial Run and in System c) as a Working Group tool and expressed their desire to see the Trial Run completed. This will in fact be done and should be completed in about two months time from now. The output will be circulated to members of the ADP Group and to members of the Herring Assessment Working Group.

The ADP Group also considered the other uses which would be made of System c), particularly the handling and publishing of statistics of catch and fishing effort in the Bulletin Statistique and in the Statistical Newsletter containing catch and effort data reported on STATLANT 27B. These tasks represent a considerable expenditure of time and effort in the Secretariat, and substantial speeding up of the publication of these should result from the introduction of ADP. At present it is taking up to nine months after the receipt of all material for the Bulletin Statistique for publications to be achieved. The cost of producing the Bulletin Statistique at today's prices is of the order of 25,000 D.Kr., while the corresponding figure for the Newsletter based on the STATLANT data is approximately 8,000 D.Kr.

The ADP Working Group also felt that with the possible introduction of catch quotas by NEAFC for a large number of species in the near future there would arise a need for speedy information on catch aggregates at frequent intervals and for continued assessments of the states of all exploited stocks. These are functions which ICES could fulfil only if ADP methods are to be adopted.

The Group noted that of the many regional agencies concerned with the Atlantic ocean, ICES is the only one not using ADP in the handling of its Statistical material. Recognising this, the CWP at its 8th Session had recommended that FAO should assist any regional bodies who request it, with the setting up of ADP systems.

The ADP Working Group therefore strongly recommends that a phased introduction of ADP be begun by ICES immediately. A scheme for such a phased introduction was subsequently drawn up by a Sub-Group of the ADP Working Group. This scheme is as follows:

Estimated costs for establishing System c).

It is assumed that the Council decides to implement System c) over a three-year period.

It is further assumed that the three Statistical Newsletters which contain biological data will be published in the usual way for the years 1973 and 1974.

Phase I, 1974/75

Publication of Bulletin Statistique (1973 data) on the basis of computer print-outs and bound like the Cooperative Research Reports.

| | |
|-------------------------------|------------------|
| Punching (outside ICES) | D.Kr. 5,000 |
| Programming assistance | " 5,000 |
| Printing (100 pages) | Approx. " 10,000 |
| | <u>20,000</u> |

If the data processing is carried out after 1 April 1975, D.Kr. 10,000 will have to be added, since after that date computer time has to be paid for.

Statistical News Letter, catch and effort, based on STATLANT forms for 1972 & '73 and published as previously D.Kr. 16,000.

Phase II, 1975/76

Bulletin Statistique (1974 data) and Statistical Newsletter (STATLANT forms) (1974 data) published as computer print-outs.

| | |
|------------------------------|---------------|
| Punching | D.Kr. 10,000 |
| Programming of SNL | " 5,000 |
| Computer time | " 10,000 |
| Printing in one volume | " 20,000 |
| TOTAL | <u>45,000</u> |

The remaining Statistical Newsletters containing 1974 data published D.Kr. 40,000.

The remaining Statistical Newsletters containing 1973 data published in the usual way D.Kr. 40,000.

Phase III, 1976/77

Full implementation of System c).

Establishing costs:

| | | |
|-----------------------------|-------|--------|
| 1 Terminal | D.Kr. | 35,000 |
| Punching equipment | " | 25,000 |
| 1 Modem and telephone | " | 6,000 |
| Tape, paper etc. | " | 4,000 |

D.Kr. 70,000

Running costs:

| | | |
|--|-------|--------|
| 1 System analyst: Net salary | D.Kr. | 90,000 |
| Computer time | " | 65,000 |
| Telephone | " | 10,000 |
| Terminal service, paper, transport etc. " | " | 10,000 |
| Printing of Bulletin Statistique and Statistical Newsletter (STATLANT form) " | " | 25,000 |

D.Kr. 200,000

It is assumed that the Council cease publication of the three Statistical Newsletters containing biological data, and that member countries obtain these data, on request, as computer print-outs.

If NEAFC wishes ICES to handle the statistics needed for quota control, this can be done within System c). If catch data are to be recorded on a monthly basis, the extra costs involved are estimated to be:

| | | |
|---------------------|-------|--------|
| Punching | D.Kr. | 15,000 |
| Computer time | " | 15,000 |

30,000

All the prices are prices as at 1 April 1974.

The costs are estimated under the assumptions mentioned in Appendix III, page 9, a - d.

SUMMARY

| <u>1973/74</u> | <u>D.Kr.</u> |
|--|---------------|
| Estimated cost of Bulletin Statistique (1972 data)... | 25,000 |
| Three Statistical Newsletters already published (1972 data) | <u>45,000</u> |
| Total cost of present system | <u>70,000</u> |

| <u>1974/75</u> | |
|--|---------------|
| Estimated cost of Bulletin Statistique (1973 data) by ADP | 20,000 |
| Estimated cost of Statistical Newsletter (STATLANT 27 B data for 1972 and 1973) | 16,000 |
| Three "Biological" Statistical Newsletters (1973 data) | <u>35,000</u> |
| Total cost of Phase I, 1974/75 (before 1 April 1975). | <u>71,000</u> |
| (Total cost (after 1 April 1975) | 81,000) |

| | |
|---------------------------------------|--------|
| Total cost of Phase II, 1975/76 | 90,000 |
|---------------------------------------|--------|

| | |
|--|---------|
| Total cost of Phase III, 1976/77 | 270,000 |
|--|---------|

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|---|---------|
| Running costs of System c), 1977/78 and subsequent years | 200,000 |
|---|---------|