PART B : SCIENTIFIC AND TECHNICAL DESCRIPTION

B1.   SUMMARY DESCRIPTION OF THE PROPOSED ACTIVITY (shall not exceed 1 page)

If the proposal is written in a language other than in English, a translation of the ___ and Summary in the English language should be provided in addition.

Title of the proposed activity : -   Project Esculape

- The purpose of this project is to develop a system to collect and verify in
- real-time statistical indicators using Internet and JAVA. Statistics from
- pilot countries (CCE/NIS) to be transferred to international organizations
  will be selected and classified together with standard indicators.

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Objectives and summary of the proposed activity:

The system should be able to collect and verify statistical indicators in
the following domains: Population dynamics, nutrition, infectious agents,
genetic evolution and adaptation, physical environment, social and
economical environment, education and life style, medical care, diseases.
- These domains are often referred to as the variables of public health.
- The indicators are the statistical indicators used in the following
- international Organizations: UN, World Bank, IMF, OECD, FAO, ILO, WHO, WMC,
  NIDO, UNESCO, OMC, EUROSTAT.

The general objectives are:
       - To create a simple and secure system to collect and verify, in real
time, statistical data from countries to international organizations. We
will use internet and advanced technologies like JAVA, CORBA, and
artificial intelligence.
       - To help developing countries learn about the standard indicators
- used in international organizations to measure, among others, economic,
- social, and health evolution by creating a classification for these
- indicators and an internet accessible knowledge base.
       - To lower transfer cost of statistics from countries to
international organizations.
       - To simplify, in the future, statistical data integration in the
given subjects by creating a codification of standard indicators.
       - To speed up statistical knowledge diffusion by developing a real-
time collection methodology using Internet and artificial intelligence.
       - To simplify the work of researchers, economists, epidemiologists,
consultants, etc. by identifying, locating, and classifying all standard
- indicators available for their research.

propose to create an international classification (codification) of
standard indicators and to gather knowledge, independent of countries, on
these indicators. This codification will guide us in codifying the
specific selected country indicators which we want to collect with the
system. The resulting codification will help create our system which
consists of two main parts: a contribution system and a control system.
The contribution interface will allow statisticians to enter data relative
to the indicators they want to send to the international organizations, and
will format and secure a proper message before sending it to various
control systems located in target international organizations. The control
system will decode the message and check the accuracy of the statistics
sent. It will acknowledge the sender of its decision. If the data is
correct, it will be forwarded to the local databases. If not, an error
message will be sent back to the sender and a special procedure will take
place.