

VCP projects related to WWW in RA II  
fully or partially supported and reported as on-going as at 15 June 2003

| Country                          | Project Indicator | Project Title  | Circulation Year Support | Donor                    |
|----------------------------------|-------------------|--|--------------------------|--------------------------|
| BANGLADESH                       | TE/4/2/1          | Provision of an AFDOS system for the GTS link between Dhaka and New Delhi                                | 1996<br>Partial          | CHINA                    |
| CAMBODIA                         | TE/2/1/1          | Linking of NMC Phnom Penh to the GTS   | 1998<br>Full             | CHINA                    |
| KAZAKSTAN                        | OB/1/2/1          | Provision of radiosondes and balloons  | 1998<br>Partial          | VCP(F), CHINA and FRANCE |
| KAZAKSTAN                        | TE/1/1/2          | Modernization of the telecommunication system through the provision of UniMAS and TV-Inform-Meteo system | 2001<br>Partial          | RUSSIAN FEDERATION       |
| KAZAKSTAN                        | TE/5/3/1          | Installation of an Internet firewall at NMC Almaty   | 2001<br>Full             | UK                       |
| LAO PEOPLE'S DEMOCRATIC REPUBLIC | OB/2/2/1          | Improvement of the seven Meteorological Stations in the northern provinces                               | 1997<br>Partial          | CHINA                    |
| LAO PEOPLE'S DEMOCRATIC REPUBLIC | TE/4/1/1          | Provision of a VSAT system for linking NMC Vientiane to the GTS  | 1997<br>Full             | JAPAN, UK and FRANCE     |
| MONGOLIA                         | OB/1/2/3          | Upgrading of the upper-air observation network   | 1996<br>Partial          | CHINA                    |
| REPUBLIC OF YEMEN                | TE/2/1/1          | Connection of NMC Sana'a to the GTS  | 2001<br>Partial          | VCP(F)                   |
| TAJIKISTAN                       | OB/2/2/1          | Provision of meteorological instruments for surface synoptic stations                                    | 2001<br>Full             | CHINA                    |
| VIET NAM, SOCIALIST REPUBLIC OF  | WCP/4/1/1         | Climatological data rescue   | 2001<br>Full             | USA                      |

VCP Projects related to WWW in RA II  
fully or partially supported and reported as completed in 1998-2003

| Country                               | Project Indicator | Project Title  | Circulation Year | Donor Support     | Status of Implementation   | Estimated cost |
|---------------------------------------|-------------------|--|------------------|-------------------|--|----------------|
| AFGHANISTAN, ISLAMIC STATE OF         | OB/2/2/2          | Rehabilitation of the 16 synoptic stations   | 1996             | CHINA             | Completed on 22/02/03<br>Partial                                       | \$38,200       |
| BANGLADESH                            | OB/1/2/1          | Provision of upper-air observation consumables for the GEWEX Asian Monsoon Experiment (GAME) | 1998             | UK                | Completed on 31/03/99<br>Partial                                       | \$22,600       |
| BANGLADESH                            | TE/2/1/1          | Restoration of the GTS link between Dhaka and RTH New Delhi                                  | 1999             | VCP(F)            | Completed on 22/12/99<br>Partial                                       | US \$6,706     |
| CAMBODIA                              | OB/3/3/1          | Provision of an APT/WEFAX satellite receiving station  | 1998             | CHINA             | Completed on 26/09/2000<br>Full  | \$30,000       |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/1/2/1          | Provision of balloons  | 1997             | CHINA             | Completed on 01/06/2000<br>Partial                                     | \$9,160        |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/1/2/2          | Provision of meteorological balloons   | 2001             | CHINA             | Completed on 25/09/01<br>Full  | \$12,700       |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/1/2/3          | Provision of upper-air consumables   | 2001             | CHINA             | Completed on 22/10/02<br>Full (Completion Report)                      | US \$23,300    |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | TE/4/1/2          | Provision of 10 portable transmitters  | 1998             | CHINA             | Completed on 03/08/2000<br>Full  | \$20,000       |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | TE/4/1/3          | Provision of a VSAT receiving system   | 1999             | CHINA and VCP(F)  | Completed on 03/08/2000<br>Full  | \$48,000       |
| DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | TE/4/1/4          | Improvement of data communication between NMC and local centres                              | 2001             | UK                | Completed on 20/05/02<br>Full  | US \$38,655    |
| KAZAKSTAN                             | OB/1/2/1          | Provision of radiosondes and balloons  | 1998             | VCP(F) and FRANCE | Completed on 13/10/98<br>Partial                                       | \$13,000       |
| KAZAKSTAN                             | TE/1/1/1          | Modernization and improvement of the GTS in Kazakstan  | 1999             | UK                | Completed on 07/09/2000<br>Full  | \$ 14,600      |
| KYRGYZ REPUBLIC                       | OB/1/2/3          | Provision of upper-air consumables   | 2002             | VCP(F) & FRANCE   | Completed on 04/03/03<br>Partial                                       | US \$5,500     |
| LAO PEOPLE'S DEMOCRATIC REPUBLIC      | OB/2/1/1          | Improvement of the national synoptic network   | 1989             | FRANCE            | Completed on 09/10/99<br>Full  | FF120,556      |
| MONGOLIA                              | DP/1/1/1          | Provision of AFDOS Software  | 1997             | CHINA             | Completed on 15/07/99<br>Full  | US \$12,000    |
| MONGOLIA                              | DP/1/1/2          | Provision of a workstation for the improvement of Numerical Weather Prediction (NWP) model   | 2000             | REPUBLIC OF KOREA | Completed on 03/04/02<br>Partial A 3-month training in Jan.-March 2002 | US \$6,000     |
| MYANMAR                               | OB/1/2/6          | Provision of pilot balloons for upper-air observations at NMC Yangon                         | 1998             | CHINA             | Completed on 21/02/00<br>Full  | \$3,000        |
| MYANMAR                               | OB/1/3/1          | Provision of an electrolytic hydrogen generator  | 1998             | CHINA             | Completed on 30/05/00<br>Full  | \$46,500       |

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fully or partially supported and reported as completed in 1998-2003

| Country                         | Project Indicator | Project Title   | Circulation Year | Donor Support        | Status of Implementation   | Estimated cost |
|---------------------------------|-------------------|---|------------------|----------------------|--|----------------|
| MYANMAR                         | OB/3/5/1          | Provision of a high-resolution satellite receiving station  | 1999             | CHINA                | Completed on 04/12/01  | \$27,000       |
| PAKISTAN                        | OB/1/2/5          | Windfinding radar   | 1993             | UK                   | Completed on 25/07/2000  | £110,000       |
| PAKISTAN                        | TE/4/2/1          | Replacement of MSS and computer equipment to be Year 2000 compliant                                       | 1999             | CHINA                | Completed on 19/11/02<br>Equipment received in November 2002                                   | \$15,400       |
| REPUBLIC OF YEMEN               | DP/1/2/1          | Provision of an automatic weather charts plotter  | 2001             | WMO (NSF) and VCP(F) | Completed on 24/05/02  | \$5,000        |
| REPUBLIC OF YEMEN               | TE/1/1/1          | Local Telecommunication equipment   | 1994             | CHINA                | Completed on 17/09/2000  | \$25,000       |
| SRI LANKA                       | OB/1/2/4          | Provision of radiosondes for the GEWEX Asian Monsoon Experiment - Intensive Observation Period (GAME-IOP) | 1997             | UK (INDIA)           | Completed on 31/07/98<br>Full 60 radiosondes provided by India Met. Dept.                      | \$4,500        |
| THAILAND                        | OB/1/2/3          | Provision of upper-air observation consumables for the GEWEX Asian Monsoon Experiment (GAME)/SCSMEX       | 1998             | CHINA                | Completed on 25/09/98  | US \$10,000    |
| TURKMENISTAN                    | OB/1/2/2          | Provision of upper-air observation consumables  | 1999             | VCP(F) and FRANCE    | Completed on 27/09/01<br>Partial additional support provided in 2002 PO 17&18-02 (US \$11,790) | \$11,784       |
| VIET NAM, SOCIALIST REPUBLIC OF | OB/1/2/7          | Provision of upper-air observation consumables for the GEWEX Asian Monsoon Experiment (GAME)/SCSMEX       | 1998             | UK                   | Completed on 12/10/98  | US \$25,000    |

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|----------|---------------------------------------|-------------------|--|-----------------|--|--------------------------|
| 1        | BANGLADESH                            | OB/1/2/1          | Provision of upper-air observation consumables for the GEWEX Asian Monsoon Experiment (GAME) | 1998<br>UK      | 400 pieces of GPS radiosondes (RS80-15G) and balloons  |                          |
|          |                                       |                   |  |                 | <i>Partial</i><br>250 additional radiosondes and balloons  |                          |
| 1        | BANGLADESH                            | TE/2/1/1          | Restoration of the GTS link between Dhaka and RTH New Delhi                                  | 1999<br>VCP(F)  | computers and software on a turnkey basis  | US \$60,000              |
|          |                                       |                   |  |                 | <i>Partial</i><br>additional PCs and peripherals   |                          |
| 1        | CAMBODIA                              | TE/1/3/1          | Rehabilitation of the national data collection system  | 1998<br>No      | 10 DCPs and 11 SSBs, a set of spare parts as well as installation and training                                       |                          |
| 2        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | DP/1/1/1          | Improvement of meteorological data management  | 2001<br>No      | five sets of PCs   |                          |
| 1        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/1/2/4          | Provision of upper-air consumables (300 transponders)  | 2003<br>No      | 300 transponders   |                          |
| 3        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/2/2/5          | Provision of surface wind measurement and transmission systems                               | 2000<br>No      | 20 wind measurement systems, 4 micromanometers, 1 server PC and 40 PCs, 2 laser printers, 40 UPSs and 40 modems etc. | US \$200,000             |
| 2        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/2/2/6          | Provision of 50 electrical anemometers   | 2001<br>No      | 50 sets of electrical anemometers with sensor, receiver and hand generator   |                          |
| 2        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/2/2/7          | Provision of surface observation instruments   | 2003<br>No      | meteorological instruments for 30 surface observing stations   |                          |
| 2        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | OB/2/3/1          | Provision of an automatic weather station (AWS)  | 2001<br>No      | an automatic weather station (AWS)   |                          |
| 1        | DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA | TE/4/1/5          | Improvement of data communication between local centres and synoptic stations                | 2003<br>No      | 10 transceivers; and 50 radio telephones   |                          |

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|----------|-----------------|-----------------------|---|----------------------------------|--|--------------------------|
| 1        | KAZAKSTAN       | OB/1/2/1              | Provision of radiosondes and balloons   | 1998<br>VCP(F), CHINA and FRANCE | 480 sets of MRZ-3A radiosondes and balloons<br><br><i>Partial additional 210 MRZ-3A radiosondes</i>                            |                          |
| 1        | KAZAKSTAN       | OB/1/2/2              | Modernization of upper-air observation network  | 2001<br>No                       | Replacement of A-15-A computer and software, and voltage accelerator for 8 stations  | US \$140,000             |
| 3        | KAZAKSTAN       | OB/3/1/2<br>(Revised) | Provision of the ScanEx hardware and software for the reception and processing of HRPT data                 | 2001<br>No                       | the ScanEx hardware and software and operator training   | US \$38,000              |
| 2        | KAZAKSTAN       | TE/1/1/2              | Modernization of the telecommunication system through the provision of UniMAS and TV-Inform-Meteo system    | 2001<br>RUSSIAN FEDERATION       | hardware and software for UniMAS and TV-Inform-Meteo system<br><br><i>Partial hardware and software for UniMAS</i>             | US \$9,170               |
| 2        | KAZAKSTAN       | TE/4/1/1              | Provision of UPSs for the MSSs at NMC Almaty  | 2001<br>No                       | two UPSs (6000 VA) and batteries   | \$12,600                 |
| 2        | KYRGYZ REPUBLIC | DP/1/2/1<br>(Rev. 2)  | Provision of "Persona-miss" software for meteorological data processing for the period 1992-2001 and beyond | 2002<br>No                       | "Persona-miss" software and training   | US \$6,500               |
| 1        | KYRGYZ REPUBLIC | OB/1/2/2              | Replacement of the upper-air system   | 2002<br>No                       | 1 MARL-A upper-air station; set of radiosondes and balloons (once a day for two years)   | US \$153,600             |
| 1        | KYRGYZ REPUBLIC | OB/1/2/3              | Provision of upper-air consumables  | 2002<br>VCP(F) & FRANCE          | 730 sets of MRZ-3A radiosondes and 750g balloons<br><br><i>Partial additional radiosondes and balloons</i>                     | \$55,000                 |
| 2/3      | KYRGYZ REPUBLIC | OB/2/2/1              | Provision of meteorological instruments for the surface observing network                                   | 2002<br>No                       | meteorological instruments and equipment (thermometers, hygrographs, pluviographs, barographs, rain gauges, anemometers, etc.) | US \$124,200             |
| 2/3      | KYRGYZ REPUBLIC | TE/1/1/2              | Replacement of 41 sets of short-wave radio stations   | 2002<br>No                       | 41 sets of short-wave radio stations (with power supply, antenna tuner, antenna connector, telegraph key)                      |                          |

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| 2        | KYRGYZ REPUBLIC | TE/4/2/2          | Provision of a central communications switchboard for Bishkek NMTN                                      | 2000<br>No                | a TransMet system (central communications switchboard, meteorological databank and fax server)        |                          |
| 1        | MACAO, CHINA    | TE/4/1/1          | Implementation of the pilot project for the UKSF/WWW for Macao  | 2000<br>No                | extension of SADIS receiver for the reception of UKSF/WWW channel                                     |                          |
| 1        | MONGOLIA        | DP/1/1/2          | Provision of a workstation for the improvement of Numerical Weather Prediction (NWP) model              | 2000<br>REPUBLIC OF KOREA | one workstation with Unix system, software and NWP model including training                           | US \$50,000              |
|          |                 |                   |   | <i>Partial</i>            | <i>one workstation with Unix system, software and NWP model</i>                                       |                          |
| 1        | MONGOLIA        | OB/1/2/4          | Provision of radiosondes for upper-air observations   | 2003<br>No                | 1,080 RS80-15G radiosondes for one-year daily soundings for 3 stations                                | US \$162,000             |
| 2        | MONGOLIA        | OB/2/3/1          | Upgrading of MILOS-200 Automatic Weather Station (AWS) to be Year 2000 compliant and follow-up training | 1999<br>No                | software and hardware of Vaisala AWS  | US \$30,000              |
| 1        | MONGOLIA        | TE/4/1/1          | Upgrading of the one-way VSAT system to two-way VSAT system   | 2003<br>No                | two-way VSAT system   |                          |
| 1        | MONGOLIA        | TE/4/2/2          | Replacement of the Message Switching System (MSS) to be Year 2000 compliant                             | 1999<br>No                | provision and installation of an MSS system, and its training   | US \$55,000              |
| 1        | MYANMAR         | OB/1/2/5 (Rev. 2) | Upgrading of an OMEGA upper-air observation system to GPS capability                                    | 1998<br>No                | a GPS upgrade kit for DigiCORA and 100 GPS sondes   | US \$53,950              |
| 1        | MYANMAR         | TE/4/1/2          | Upgrading of GTS communication between NMC Yangon and RTH Bangkok                                       | 2000<br>No                | telecommunication equipment, spare parts and training of personnel                                    |                          |
| 2        | PAKISTAN        | TE/1/1/1          | Upgrading of the telecommunication equipment at the NMC   | 1999<br>No                | a UKSF receiving system and terminal equipment  |                          |

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|----------|-------------------|-------------------|---|---------------------------|--|--------------------------|
| 1/2      | PAKISTAN          | TE/4/2/1          | Replacement of MSS and computer equipment to be Year 2000 compliant                                 | 1999<br>CHINA             | 4 PCs, laser printers, MSS software for communication: 4 sets of PCs, printers, satellite receivers, UPS etc. for aviation forecast, and 6 PCs and 2 printers and 2 UPSs for archiving<br><i>Partial</i><br><i>printers and MSS software for communication</i> | US \$106,000             |
| 1        | REPUBLIC OF YEMEN | OB/1/2/5          | Upgrading outdated upper-air systems to GPS capability at Sana'a and Aden International Airports    | 2001<br>No                | 2 complete upper-air systems with GPS capability; spare parts and consumables; installation and operator training  |                          |
| 1        | REPUBLIC OF YEMEN | TE/2/1/1          | Connection of NMC Sana'a to the GTS   | 2001<br>VCP(F)            | 1 METEOSAT DCP and terminal equipment; a satellite receiving system (e.g., MDD or UKSF/WWW receiving system); and training<br><i>Partial</i><br><i>a satellite receiving system (e.g., MDD or UKSF/WWW receiving</i>   |                          |
| 1        | SRI LANKA         | OB/1/2/5          | Replacement of the WF33 wind-finding radar at Colombo with a new system                             | 1999<br>No                | a wind-finding radar or radiotheodolite  |                          |
| 1        | SRI LANKA         | OB/1/2/6          | Provision of radiosonde transmitters and accessories for upper-air observations at Colombo          | 2002<br>No                | radiosonde transmitters and accessories (batteries, recorder charts, etc.) for three years operation   | US \$57,000              |
| 2        | TAJIKISTAN        | DP/1/2/1          | Provision of a Persona MIS data processing system   | 2001<br>No                | Persona MIS system (1 Server PC, 3 Workstation PCs, 1 printer etc., software), installation and training   | US \$21,300              |
| 1        | TAJIKISTAN        | OB/1/2/1          | Provision of an upper-air system and consumables for Dushanbe station                               | 2001<br>No                | an upper-air system, installation and training   | US \$158,000             |
| 3        | TAJIKISTAN        | OB/3/1/1          | Provision of a High Resolution Picture Transmission (HRPT) system                                   | 2001<br>No                | an HRPT ground station, installation, training and documentation   | US \$45,000              |
| 1        | THAILAND          | OB/1/2/3          | Provision of upper-air observation consumables for the GEWEX Asian Monsoon Experiment (GAME)/SCSMEX | 1998<br>CHINA             | 150 radiosondes, 150 balloons (600g), gas and parachutes<br><i>Partial</i><br><i>additional consumables</i>  | US \$30,000              |
| 1        | TURKMENISTAN      | OB/1/2/2          | Provision of upper-air observation consumables  | 1999<br>VCP(F) and FRANCE | 760 sets of MRZ-3 radiosondes and 150-cm balloons<br><i>Partial</i><br><i>additional radiosondes and balloons</i>  | US \$75,000              |

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|----------|---------------------------------|-------------------|---|-----------------|--|--------------------------|
| 4        | UZBEKISTAN                      | OB/3/1/2          | Provision of a high-resolution satellite receiving system for METEOSAT-5 and FY-2B                  | 2001<br>No      | a high-resolution satellite receiving station including its installation and training  | US \$60,000              |
| 1        | UZBEKISTAN                      | TE/5/2/2          | Provision of PC-based meteorological telecommunication systems                                      | 2001<br>No      | two sets of met. telecommunication systems; network subsystems; facsimile switchboards; operator workstations; remote workstations with software; and installation | US \$228,000             |
| 1/2      | VIET NAM, SOCIALIST REPUBLIC OF | OB/1/2/7          | Provision of upper-air observation consumables for the GEWEX Asian Monsoon Experiment (GAME)/SCSMEX | 1998<br>UK      | 150 sets of radiosondes and balloons (750g), chemical substances; and barometers and barographs for 3 stations   | US \$46,600              |
|          |                                 |                   |   | <i>Partial</i>  | <i>chemical substances and barometers etc. for 3 stations</i>  |                          |