

# INFOHYDRO

## Austria

Hydrological observation in the country are largely undertaken by Federal Ministry of Agriculture, Forestry, Environment and Water Management

The following information pertaining to:

Federal Ministry of Agriculture, Forestry, Environment and Water Management

### Preliminary information

Pluviographs - Continuous Precipitation Recording

Daily Precipitation

Evaporation

Stage non-recording

Stage recording

Discharge non-recording

Discharge recording

Groundwater

Sediment

Water quality



Percentage of coverage represented by these data:

N/A

Last update:

02/05/2006

### **Preliminary information**

### **Austria**

Main unit of institution name (*Base name of an institution, usually the name of the governing body*)

Federal Ministry of Agriculture, Forestry, Environment and Water Management

Subordinate unit of institution name (*Part of a name of an institution that defines a subdivision or department or unit of the institution*)

Department VII - Water / Subdepartment VII/3 - Water Balance

Abbreviated name

Hydrographical Central Office (HZB)

Full mailing address (*of the Institution*)

Marxergasse 2, Vienna, Austria, 1030

Full location address (*of the Institution*). Indicate only if not the same then mailing address

Telephone number (*Central operator*)

0043 1 71100 6942

Telefacsimile number (*Central operator*)

0043 1 71100 6851

Electronic mail identifier (*E-mail address*)

reinhold.godina@lebensministerium.at

Host system network address (*Web site address*)

http://www.lebensministerium.at/

# INFOHYDRO

| Preliminary information  |   | Austria   |
|--|---|-----------|
| Protocol options ( <i>Code, word or phrase that specifies capabilities that are supported by a service provider ; "yes" -If activity undertaken - "no" otherwise</i> ) | General Hydrology   | yes       |
|  | Hydropower  | no        |
|  | Agriculture   | no        |
|  | Water supply  | no        |
|  | Flood control   | yes       |
|  | Pollution control   | yes       |
|  | Navigation  | no        |
|  | Others ( <i>please specify</i> )  |           |
| Coverage   | National ( <i>if not leave blank</i> )  | yes       |
|  | Other (Regional, State, Province...)  |           |
| Types of stations operated   | Hydrometric   | yes       |
|  | Groundwater   | yes       |
|  | Climate   | yes       |
|  | Snow  | yes       |
|  | Lake levels   | yes       |
|  | Glaciers  | yes       |
|  | Estuaries   | no        |
|  | Ice thickness   | no        |
|  | Soil Moisture   | yes       |
|  | Sediment  | yes       |
|  | Water quality   | no        |
| Bio diversity  | no  |           |
| Geographical Descriptors   | Area of country or region (State) ( <i>km<sup>2</sup></i> )                         | 83850     |
|  | Mean Annual Precipitation ( <i>mm</i> )   | 1050      |
|  | Standard Deviation of Annual Precipitation ( <i>mm</i> )                            | 100       |
|  | General climate ( <i>Tropical,sub-tropical, Arid, semi-arid, temperate etc...</i> ) | temperate |

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| Pluviographs - Continuous Precipitation Recording  |  | Austria        |
|--|--|----------------|
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )   |  | 362            |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                                     | National ( <i>if not leave blank</i> )                     | yes            |
|  | Other ( <i>Regional, State, Province...</i> )              |                |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> )               | Less than 5 years  |                |
|  | 5 years to 10 years  |                |
|  | 11 years to 30 years                                       |                |
|  | Greater than 30 years                                      |                |
| Method of transmission of data from sites and number of sites using this method of transmission ( <i>Number of sites currently operating</i> ) | Telephone  | 147            |
|  | Radio  |                |
|  | Satellite  |                |
|  | Others ( <i>Please specify and give number operating</i> ) |                |
| Method used to estimate precipitation ( <i>Number of sites currently operating</i> )   | Tipping Bucket   | 109            |
|  | Siphon   | 101            |
|  | Others ( <i>Please specify and give number operating</i> ) | weighting: 162 |
| Number of radar stations located in the country ( <i>Number of sites</i> )   |  |                |
| Date that this information was last updated ( <i>month and year</i> )  |  | 03-2006        |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |  |                |
| Stored in a database ( <i>yes or no</i> )  |  |                |

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| Daily Precipitation  |  | Austria |
|--|--|---------|
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )   |  | 873     |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                                     | National ( <i>if not leave blank</i> )                     | yes     |
|  | Other ( <i>Regional, State, Province...</i> )              |         |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> )               | Less than 5 years  |         |
|  | 5 years to 10 years  |         |
|  | 11 years to 30 years                                       |         |
|  | Greater than 30 years                                      |         |
| Method of transmission of data from sites and number of sites using this method of transmission ( <i>Number of sites currently operating</i> ) | Telephone  |         |
|  | Radio  |         |
|  | Satellite  |         |
|  | Post/Collected   | 873     |
|  | Others ( <i>Please specify and give number operating</i> ) |         |
| Date that this information was last updated ( <i>month and year</i> )  |  | 03-2006 |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |  |         |
| Stored in a database ( <i>yes or no</i> )  |  |         |

# INFOHYDRO

| Evaporation  |  | Austria |
|--|--|---------|
| Recording frequency ( <i>Instantaneous, seconds, minutes, hours, days, etc.</i> )  |  |         |
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )   |  | 39      |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                                     | National ( <i>if not leave blank</i> )                     | yes     |
|  | Other ( <i>Regional, State, Province...</i> )              |         |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> )               | Less than 5 years  |         |
|  | 5 years to 10 years  |         |
|  | 11 years to 30 years                                       |         |
|  | Greater than 30 years                                      |         |
| Method of transmission of data from sites and number of sites using this method of transmission ( <i>Number of sites currently operating</i> ) | Telephone  |         |
|  | Radio  |         |
|  | Satellite  |         |
|  | Post/Collected   | 39      |
|  | Others ( <i>Please specify and give number operating</i> ) |         |
| Method used to estimate evaporation ( <i>Yes -If activity undertaken- No, otherwise</i> )  | Direct measurement   | yes     |
|  | Indirect calculation                                       | no      |
| Date that this information was last updated ( <i>month and year</i> )  |  | 03-2006 |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |  |         |
| Stored in a database ( <i>yes or no</i> )  |  |         |

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| Stage non-recording  |  | Austria |
|--|--|---------|
| Recording frequency ( <i>Instantaneous, seconds, minutes, hours, days, etc.</i> )  |  | day     |
| Number of sites at which measurements are taken ( <i>Number of sites currently operating</i> )   |  | 42      |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                                     | National ( <i>if not leave blank</i> )                     | yes     |
|  | Other ( <i>Regional, State, Province...</i> )              |         |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> )               | Less than 5 years  |         |
|  | 5 years to 10 years  |         |
|  | 11 years to 30 years                                       |         |
|  | Greater than 30 years                                      |         |
| Method of transmission of data from sites and number of sites using this method of transmission ( <i>Number of sites currently operating</i> ) | Telephone  |         |
|  | Post/Collected   | 42      |
|  | Others ( <i>Please specify and give number operating</i> ) |         |
| Method used to estimate stage ( <i>Yes -If activity undertaken. -No- otherwise</i> )   | Gauge-board  | yes     |
|  | Others ( <i>Please specify</i> )                           |         |
| Date that this information was last updated ( <i>month and year</i> )  |  | 03-2006 |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |  | yes     |
| Stored in a database ( <i>yes or no</i> )  |  | yes     |

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| Stage recording  |  | Austria        |
|--|--|----------------|
| Recording frequency ( <i>Instantaneous, seconds, minutes, hours, days, etc.</i> )  |  |                |
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )   |  | 730            |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                                     | National ( <i>if not leave blank</i> )                     | yes            |
|  | Other ( <i>Specify if Regional, State, Province...</i> )   |                |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> )               | Less than 5 years  |                |
|  | 5 years to 10 years  |                |
|  | 11 years to 30 years                                       |                |
|  | Greater than 30 years                                      |                |
| Method of transmission of data from sites and number of sites using this method of transmission ( <i>Number of sites currently operating</i> ) | Telephone  | 150            |
|  | Radio  |                |
|  | Satellite  |                |
|  | Post/Collected   |                |
|  | Others ( <i>Please specify and give number operating</i> ) |                |
| Method used to estimate stage ( <i>Yes -If activity undertaken. -No- otherwise</i> )   | Gauge-board  | yes            |
|  | Float Well   | yes            |
|  | Gas-pressure   | yes            |
|  | Others ( <i>Please specify</i> )                           | water pressure |
| Date that this information was last updated ( <i>month and year</i> )  |  | 03-2006        |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |  | yes            |
| Stored in a database ( <i>yes or no</i> )  |  | yes            |

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| Discharge recording  |  | Austria          |
|--|--|------------------|
| Recording frequency ( <i>Instantaneous, seconds, minutes, hours, days, etc.</i> )  |  | instantaneous    |
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )   |  | 728              |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                                     | National ( <i>if not leave blank</i> )                     | yes              |
|  | Other ( <i>Regional, State, Province...</i> )              |                  |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> )               | Less than 5 years  |                  |
|  | 5 years to 10 years  | 56               |
|  | 11 years to 30 years                                       | 390              |
|  | Greater than 30 years                                      | 272              |
| Method of transmission of data from sites and number of sites using this method of transmission ( <i>Number of sites currently operating</i> ) | Telephone  |                  |
|  | Radio  |                  |
|  | Satellite  |                  |
|  | Post/Collected   |                  |
|  | Others ( <i>Please specify and give number operating</i> ) |                  |
| Method used to determine stage ( <i>Yes -If activity undertaken- No, otherwise</i> )   | Gauge-board  | yes              |
|  | Float Well   | yes              |
|  | Gas-pressure   | yes              |
|  | Others ( <i>Please specify</i> )                           | water-pressure   |
| Method used to estimate discharge ( <i>Yes -If activity undertaken- No,</i>  | Rating Curve   | yes              |
|  | Others ( <i>Please specify</i> )                           | ultrasonic, ADCP |
| Date that this information was last updated ( <i>month and year</i> )  |  | 03-2006          |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |  | yes              |
| Stored in a database ( <i>yes or no</i> )  |  | yes              |

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| Groundwater  |   | Austria |
|--|---|---------|
| Recording frequency  | Non-continuous                                |         |
|  | Continuous                                    |         |
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )                                     |   | 2790    |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                       | National ( <i>if not leave blank</i> )        | yes     |
|  | Other ( <i>Regional, State, Province...</i> ) |         |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> ) | Less than 5 years                             |         |
|  | 5 years to 10 years                           |         |
|  | 11 years to 30 years                          |         |
|  | Greater than 30 years                         |         |
| Date that this information was last updated ( <i>month and year</i> )  |   | 03-2006 |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |   | yes     |
| Stored in a database ( <i>yes or no</i> )  |   | yes     |
| Are water quality data taken ( <i>yes or no</i> )  |   | yes     |

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| Sediment   |   | Austria       |
|--|---|---------------|
| Recording frequency ( <i>Instantaneous, seconds, minutes, hours, days, etc.</i> )  |   | instantaneous |
| Number of sites at which recordings are taken ( <i>Number of sites currently operating</i> )                                     |   | 15            |
| Level of responsibility for national coverage ( <i>Yes if "National" or specify "Other" but not both</i> )                       | National ( <i>if not leave blank</i> )        | yes           |
|  | Other ( <i>Regional, State, Province...</i> ) |               |
| Tabular information on the number of stations operated for different time periods ( <i>Number of sites currently operating</i> ) | Less than 5 years                             | 15            |
|  | 5 years to 10 years                           |               |
|  | 11 years to 30 years                          |               |
|  | Greater than 30 years                         |               |
| Date that this information was last updated ( <i>month and year</i> )  |   | 03-2006       |
| Are the data: Available in an electronic medium ( <i>yes or no</i> )   |   |               |
| Stored in a database ( <i>yes or no</i> )  |   | yes           |

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| Water quality   |                                      | Austria |
|---|--------------------------------------|---------|
| Data routinely measured (Yes -if activity undertaken. -No- otherwise)   | Water Temperature                    | yes     |
|   | Air Temperature                      | yes     |
|   | pH                                   | yes     |
|   | Specific Conductivity                | yes     |
|   | Dissolved Oxygen                     | yes     |
|   | Turbidity                            | yes     |
|   | Major ions                           | yes     |
|   | Metals                               | yes     |
|   | Organics                             | yes     |
|   | Pesticides                           | yes     |
|   | Herbicides                           | yes     |
|   | Mercury                              | yes     |
|   | Phenols                              | yes     |
|   | Nutrients                            | yes     |
| BOD & COD   | yes                                  |         |
| POPs  | no                                   |         |
|   | Others (Please specify)              |         |
| Number of sites at which recordings are taken (Number of sites currently operating)                                     |                                      | 2239    |
| Level of responsibility for national coverage (Yes if "National" or specify "Other" but not both)                       | National (if not leave blank)        | yes     |
|   | Other (Regional, State, Province...) |         |
| Tabular information on the number of stations operated for different time periods (Number of sites currently operating) | Less than 5 years                    |         |
|   | 5 years to 10 years                  |         |
|   | 11 years to 30 years                 |         |
|   | Greater than 30 years                |         |
| Date that this information was last updated (month and year)  |                                      | 03-2006 |
| Are the data: Available in an electronic medium (yes or no)   |                                      | yes     |
| Stored in a database (yes or no)  |                                      | yes     |