



ALPINE CONVENTION PLATFORM WATER MANAGEMENT IN THE ALPS

Common Guidelines
for the use of Small Hydropower
in the Alpine region

ANNEX 2

PERTINENT INTERNET LINKS ON SMALL HYDROPOWER AND GUIDANCE DOCUMENTS

AUSTRIA

Federal Ministry of Agriculture, Forestry, Environment and Water Management	http://wasser.lebensministerium.at/
River Basin Management Plan (NGP 2009)	http://wisa.lebensministerium.at/article/archive/29367
Hydropower in Austria	http://www.wassernet.at/article/archive/6402/
Environment Agency Austria (Eco-Energy)	http://www.umweltbundesamt.at/umweltschutz/energie/erneuerbare/oekostrom/
Austrian Association of Electric Utility Companies (VEÖ)	http://www.veoe.at/start.html
Austrian Association of Small Hydropower	http://www.kleinwasserkraft.at/
Austrian Energy Strategy (only in German)	http://www.energiestrategie.at/
Austrian Energy Strategy report (only in German)	http://www.energiestrategie.at/images/stories/pdf/longversion/energiestrategie_oesterreich.pdf
Austrian Hydropower Potential Study (only in German)	http://www.energiestrategie.at/images/stories/pdf/36_veo_08_wasserkraftpotenzial.pdf
Technical-Economic Assessment of Small and Micro plants for Generation of Electricity (only in German)	http://www.energiestrategie.at/images/stories/pdf/37_bmlfuw_endberichtmikrotech.pdf
Assessment of impacts of EU Waterframe Directive on Hydropower Generation (only in German)	http://gpool.lfrz.at/gpoolexport/media/file/Auswirkungen_WRRL_auf_Wasserkraft-Studie.pdf
Energy-Control GmbH	http://www.e-control.at/de/publikationen
Austrian Energy Agency	http://www.energyagency.at

GERMANY

FEDERAL MINISTRY FOR THE ENVIRONMENT, NATURE CONSERVATION AND NUCLEAR SAFETY

Renewable Energies - Hydropower	http://www.erneuerbare-energien.de/inhalt/42608/
Report about the admission of installations for the use of renewable energies (pages 77-80)	http://www.erneuerbare-energien.de/inhalt/36326/4592/
The Renewable Energy Sources Act entered into force on 1 August 2004	http://www.bmu.de/english/renewable_energy/doc/6465.php
Legal and ecological aspects of hydropower as a renewable energy (available in German only)	http://www.umweltbundesamt.de/wasser/veroeffentlich/Wasserkraftanlagen.pdf
Guidance document for the remuneration of electricity from hydropower	http://www.wasserkraft-deutschland.de/mediapool/54/540883/data/broschuere_leitfaden_wasserkraft.pdf

AGENCIES, ASSOCIATIONS, ...

German Environmental Help - Small Hydropower	http://www.duh.de/757.html
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RESIDUAL FLOW

Approach of residual flow studies (available in German only)	http://www.bestellen.bayern.de/shoplink/lfw_was_00173.htm
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ITALY

Ministry of the Environment, Land and Sea – River Basin Management Plans links (only in Italian)	http://www.direttivaacque.minambiente.it/distretti_idrografici.html
Province of Sondrio - Water Balance Plan - (only in Italian)	http://www.provincia.so.it/territorio/piano%20territoriale/default.asp

SWITZERLAND

CONFEDERATION OF SWITZERLAND

National recommendation on the use of Small Hydropower <http://www.bafu.admin.ch/UD-1037-D>

FEDERAL OFFICE OF ENERGY (SFOE)

Small Hydropower <http://www.bfe.admin.ch/themen/00490/00491/00493/index.html?lang=en>

The Swiss Small Hydropower Programme www.smallyhydro.ch

Overview of the previously existing programmes PACER and DIANE <http://www.bfe.admin.ch/kleinwasserkraft/03870/03874/index.html?lang=en>

Publications of the previously existing PACER program – especially on dimensioning of SHP (documents in German or French) http://www.bfe.admin.ch/kleinwasserkraft/03870/03874/index.html?lang=en&dossier_id=03892

Publications of the previously existing DIANE program (documents in German or French) http://www.bfe.admin.ch/kleinwasserkraft/03870/03874/index.html?lang=en&dossier_id=03891

Infrastructure-related hydropower plants http://www.bfe.admin.ch/kleinwasserkraft/03875/03877/index.html?lang=en&dossier_id=04174

SwissEnergy for infrastructure plants - Campaign promoting the efficient energy use and the production of renewable energy <http://www.bfe.admin.ch/infrastrukturanlagen/index.html?lang=en>

SwissEnergy publications on infrastructure plants http://www.bfe.admin.ch/infrastrukturanlagen/index.html?lang=en&dossier_id=02222

Swiss Hydropower Research Programme <http://www.bfe.admin.ch/forschungwasserkraft/index.html?lang=en>

Cost-covering remuneration for feed-in to the electricity grid (CRF) <http://www.bfe.admin.ch/themen/00612/02073/index.html?lang=en>

FEDERAL OFFICE FOR THE ENVIRONMENT (FOEN)

Information on residual flow <http://www.bafu.admin.ch/gewaesserschutz/01284/index.html?lang=en>

Appropriate residual water flows: How can they be determined? <http://www.bafu.admin.ch/publikationen/publikation/00402/index.html?lang=de>

Protection and utilization plan, according to the water conservation act. Experiences, evaluation criteria and factors of success. 2009 (in German) <http://www.bafu.admin.ch/publikationen/publikation/01071/index.html?lang=de>

MAPPING SERVICES

Swiss Atlas for Small Hydropower Plants <http://www.kwkatlas.ch/>

Renewable energies and energy efficiency in your neighbourhood <http://www.repowermap.org/index.php>

Small Hydropower potential in Switzerland <http://www.netzwerkwasser.ch/aktivitaeten/projekte/aktuelle-projekte/wasserkraftpotential/>

CERTIFICATIONS / LABELS

Labels in the energy sector - a list of links <http://www.bfe.admin.ch/energie/00458/00597/index.html?lang=en>

Naturemade certification www.naturemade.ch

GreenHydro: Standardised and scientifically certification procedure for Hydropower Plants http://www.greenhydro.ch/level0/index_e.html

AGENCIES, ASSOCIATIONS, ...

Agency for renewable energies and energy efficiency (AEE) - Hydropower <http://www.aee.ch/de/erneuerbare-energien/wasser.html>

Association of small hydropower plant owners	http://www.iskb.ch/
Association for energy production from wastewater, waste, waste heat and drinking water	http://www.infrawatt.ch/
Water-Agenda 21: Working group "Dialogue Hydropower"	http://www.wa21.ch/index.php?page=213
Revita Foundation: Preservation and revitalisation of small-scale hydropower plants.	http://www.revita.ch/
Swissgrid - Registration for small-scale hydropower plants	http://www.swissgrid.ch/power_market/renewable_energies/registration_crf/hydropower/
INTERNATIONAL	
European Small Hydropower Association (ESHA) - Publications	http://www.eshabe/index.php?id=39
ESHA - Guide on How to Develop a Small Hydropower Plant	http://www.eshabe/fileadmin/eshabe_files/documents/publications/publications/Part_1_Guide_on_how_to_develop_a_small_hydropower_plant-Final.pdf
ESHA – Stream map project	http://www.streammap.eshabe/
Scottish Environment Protection Agency – Guidance for developers of run-of river hydropower schemes - Draft for public consultation	http://www.sepa.org.uk/about_us/iodoc.ashx?docid=fb2a7978-95c1-49e1-a78a-a883e04df9fe&version=-1
EU Project SHARE - Sustainable Hydropower in Alpine Rivers Ecosystems	http://www.share-alpinerivers.eu
EU project CH2OICE	http://www.ch2oice.eu/
UK - Opportunity and environmental sensitivity mapping for hydropower	http://www.environment-agency.gov.uk/shell/hydropowerswf.html