



Comparison

Formal plans and EU directives are important, but it also stimulates public participation in water management

Involvement can be limited to local authorities but often involves the local public

There is a combination of different forms that involve the stream as well as the catchment

Emek Hefer 16-18 January 2018.

J.L.Fiselier Royal HaskoningDHV



umweltbundesamt[®]

ATKINS



Comparison

Different forms exist side by side.

There are initiatives along official lines, in order to implement the EU-WFD and there are initiatives by NGO.

Some are mainly based on volunteers and the stream itself, but some focus on riparian land owners.

Some make use of official funds, but often project based financial support has to be arranged





Other countries

Adopting a stream

Community participation





Germany

Bachpatenschaften



Example: Rheinland Pfalz

Already 30 years ongoing

Focus is on the stream itself



Finance:

Centrally financed and supported
Ministry

717 Bachpatenschaften on
2760 km

Organisation

Voluntary

All kinds of groups can form and ask for (financial) support

Formal agreement with official responsible body

The group can have their own objectives

Training is organised also by volunteers

Monitoring and stream
restoration

Roles of voluntary groups:

Clean up

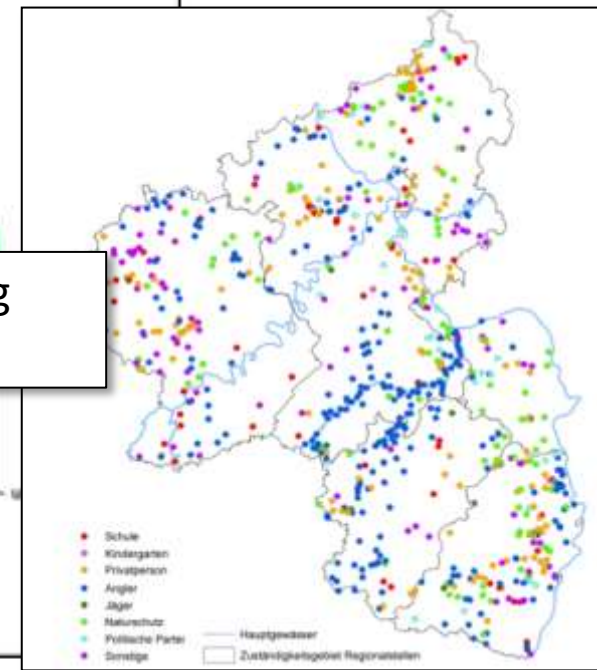
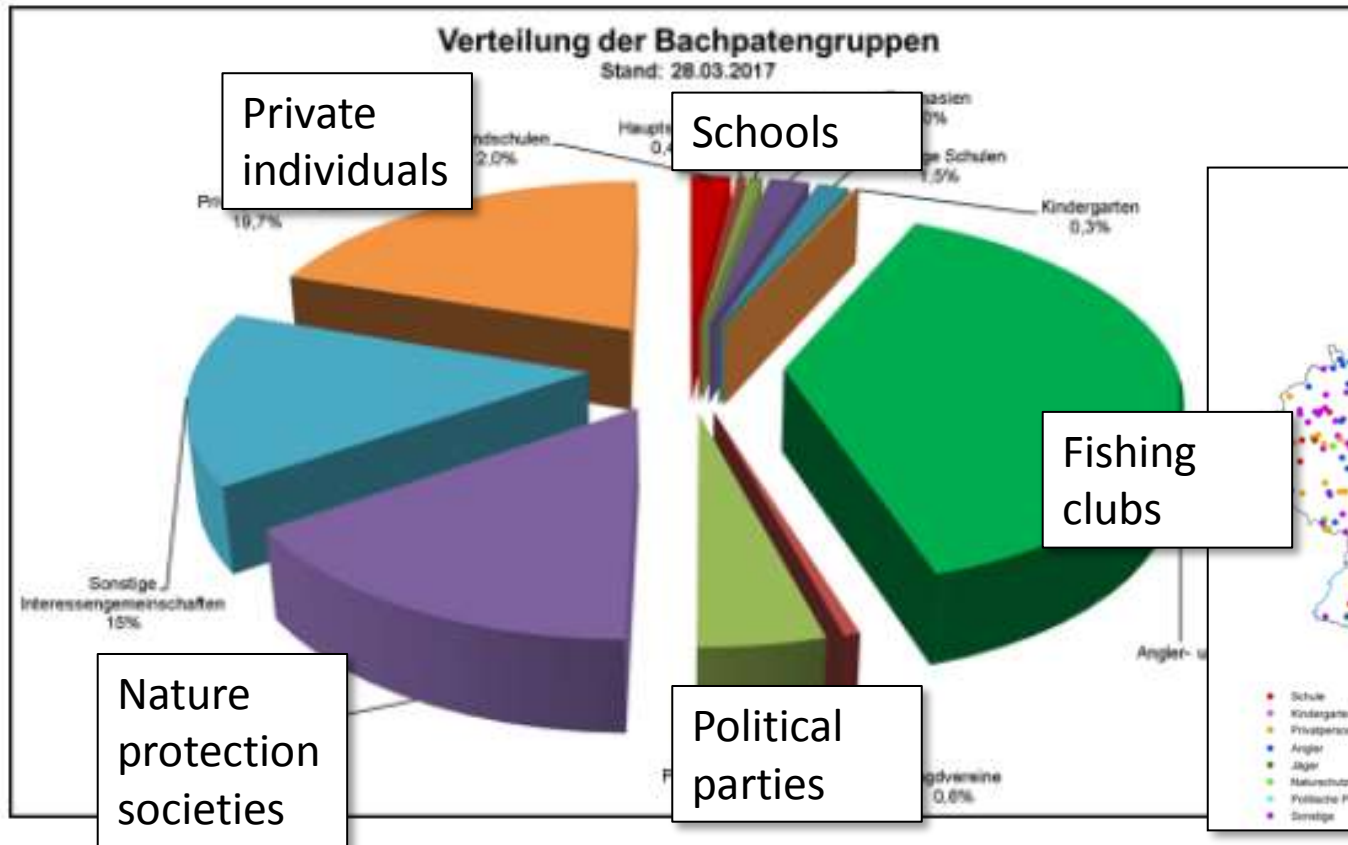
Monitoring (bio and chemical)

Training and management

Example: Rheinland Pfalz

Already 30 years ongoing

Initiative: "Action Plus Blue" Catchment Management in Rheinland Pfalz



Example: Rheinland Pfalz

Already 30 years ongoing



Gewässerentwicklung in Rheinland-Pfalz	
HOME - Aktion Blau Plus	
Umweltbildung Wasser	
Veranstaltungen	
Akteure	
Projekte	
Aktuelle Projekte	
Wooge und Triftbäche im Pfälzer Wald	
Statusanalyse	
Gewässerrandstreifen	
IRMA I	
IRMA II	
Ökonomische Gewässerbewertung	
Durchgängigkeit	
Renaturierungen	
Informationspaket Hochwasservorsorge	

Professional Coordination, website, support



HOME - Aktion Blau Plus > Projekte > Aktuelle Projekte > Die Offenlegung des Schantelbaches

Die Offenlegung des Schantelbaches „Nichts ist unmöglich“ für die Leiwener Bacha

Stück für Stück - renaturiert die Verbandsgemeinde Schwanau die Leiwener Bacha. Der Bach war zu schmal für das Hochwasser und wurde auf 2 km Länge auf 10 m verbreitert, neu gestaltet und erlebbar gemacht werden.

Über 70 Bachanlieger und Grundstückseigentümer waren unentgeltlich die notwendigen Flächen zur Sanierung bereit. Jeder Grundstückseigentümer hat eine individuelle Lösung entwickelt.

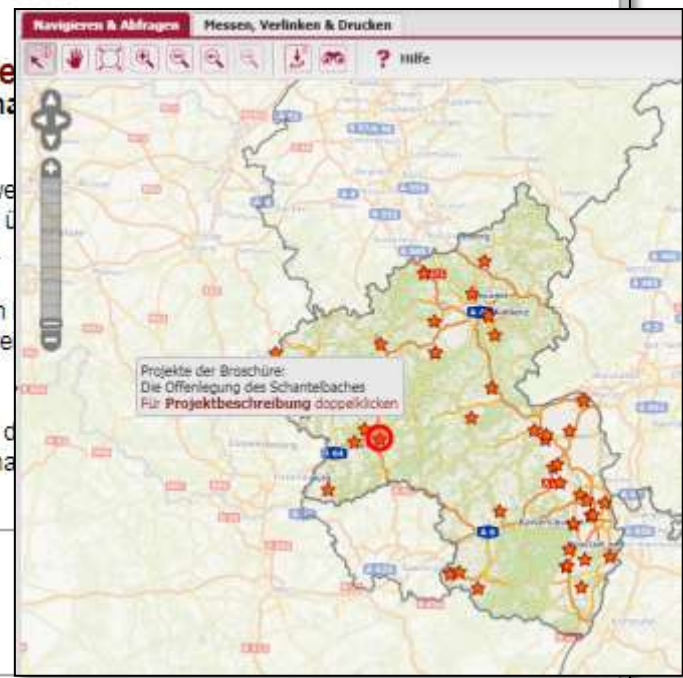
Auf einer Länge von insgesamt 2 km konnte der Bach in 10 m verbreitert und naturnah modelliert werden. Auch der Schantelbach wurde auf 10 m verbreitert. Das „gewisse Etwas“.

Projektpartner

Bachanlieger, Kulturverwaltung, Planungsbüro

Schwerpunktt Themen

Engagement der Bürger, Kooperation aller Beteiligten, Hochwasserschutz für Leiwener Bach, Bereicherung des Ortsbilds





United states

Adopting a stream



Example: Georgia Adopt a stream State coordinated program



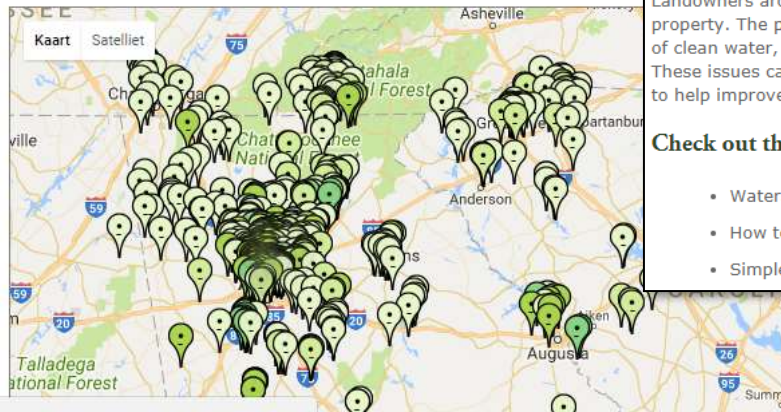
Georgia Adopt-A-Stream

Georgia's Volunteer Water Quality Monitoring Program

Main activities: monitoring and clean up

Get Involved Confluence Citizen Monitoring Data Views Data Entry Materials & Resources My Profile

View: All active sites



A Guide to Stream Care in Georgia

Landowners around the state are becoming increasingly alarmed at the condition of streams on their property. The problems facing our streams, including eroding banks, flooding, loss of habitat and lack of clean water, are the result of increased development and other land use changes in our watersheds. These issues can seem complex, but there are many things that landowners and other citizens can do to help improve the conditions of our streams.

Check out the [Life at the Water's Edge](#) brochure to learn about:

- Watersheds, streams, and the problems they face
- How to address problems with your backyard stream
- Simple watershed stewardship practices anyone can implement on their property

Adopt-A-Stream
Volume 24, Number 2, April - June 2017
Adopt-A-Stream Staff Editors

Congratulations to the 2016 Adopt-A-Stream Award Winners!
Georgia Adopt-A-Stream is sincerely grateful for all the volunteers, trainers and partners who give their time and energy to protect and improve Georgia's watersheds. We are honored to recognize the following individuals and groups for their achievements.
Adopt-A-Stream Trainer Awards



Local financial support and commitment



Example: Georgia Adopt a stream

State coordinated program

Get Involved
Confluence
Citizen Monitoring
Data Views
Data Entry
Materials & Resources
My Profile

Getting Started

Find your local AAS Coordinator

Workshop Calendar

Workshop Descriptions

Adopt-A-Stream Newsletters

Science and News

Water Science Poster Presenters & Winners

A Guide to Stream Care in Georgia

AAS Award Nominations

Monitoring sites are adopted

Volunteer community

Peter Fox, Excellence in Data Collection

Macon – Chemical & Bacterial Monitor – Active Since 2009 – 28 Monitoring Events

Peter adopted 2 sites on the Lower Ocmulgee River Watershed 4 years ago, which was significant because volunteer water quality data had been lacking in this area for years. Peter has collected data once a month for four years without missing one sampling event. He drives 100 miles to conduct his monitoring, compiles annotated time lapse photos of his sites and is always looking to recruit more volunteers.

Edward Hafner, Volunteer of the Year

Griffin – Chemical, Macroinvertebrate & Visual Monitor – Active Since 2015 – 32 Monitoring Events

Edward quickly became certified in Chemical, Macroinvertebrate and Bacterial Monitoring and has also conducted visual monitoring. He regularly monitors and collects trash at two sites on a stream near his home. Though restricted by his work schedule, he monitors consistently and thoroughly documents all major changes and matters of concern.

Anne Ledbetter, Red Flag Award

Cobb County – Chemical, Bacterial & Macroinvertebrate Monitor – Active Since 2012 – 16 Monitoring Events

On February 13, 2016, when there had been no recent rain events, Anne knew to quickly report that Poplar Creek had high flows and was very turbid. She took photos of the issue and provided a map of the suspected source. This information was helpful to the City of Smyrna officials who responded and soon found an issue with a nearby detention pond. Anne's actions helped to resolve a water quality issue and educate the retail developer, hopefully deterring them from repeating the violation at other locations.

Example: Georgia Adopt a stream State coordinated program

Organizational Levels Of Georgia Adopt-A-Stream

State Coordinators

Advisory Board

Local Coordinators & Trainers

Partners who act as local contacts and
provide assistance to monitoring groups

Individuals or groups who monitor a stream,
wetland, lake or coastal waters

Citizens who participate in a cleanup or other outreach activity
organized by any of the above mentioned groups of people

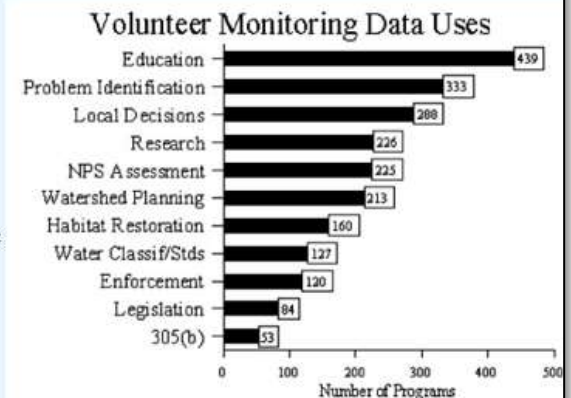
Equipment for Georgia Volunteers



Watershed surveys
Visual inspection
Macroinvertebrates
Chemical parameters
Bacteria

Quality Assurance Project Plan

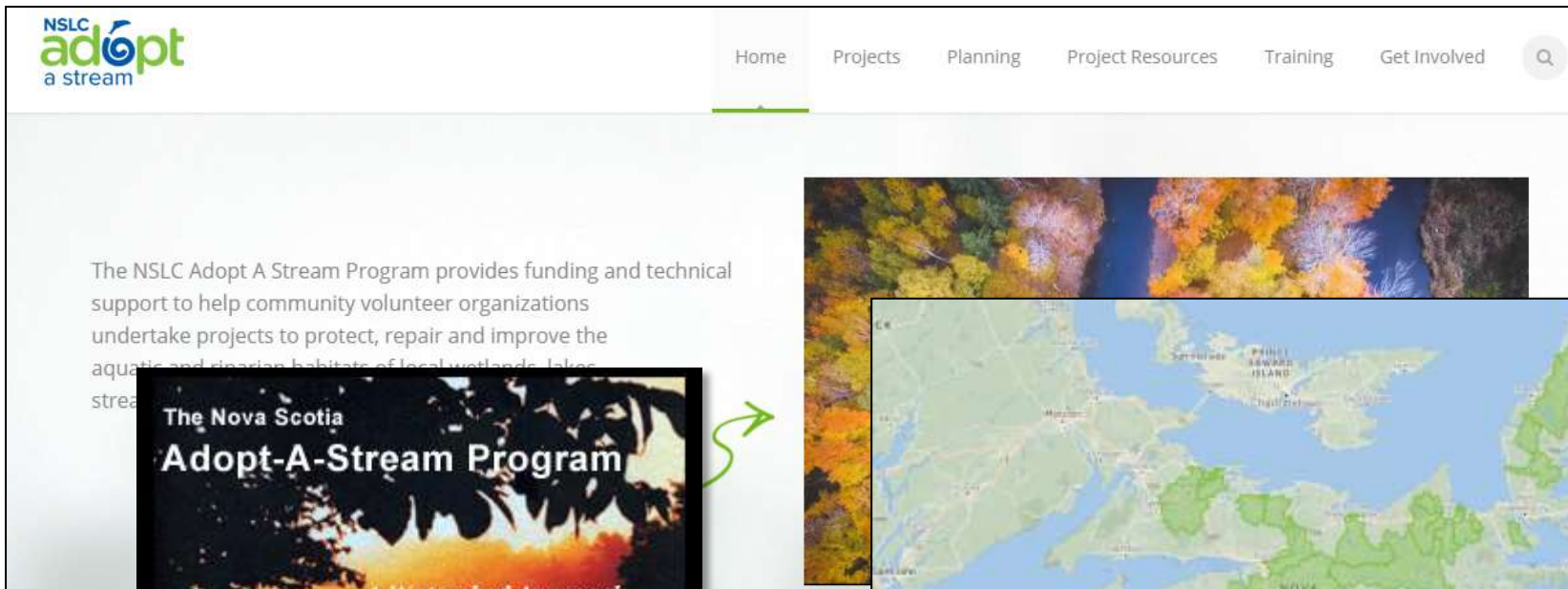
- Quality Assurance
Quality Control
(QAQC)
- Only **individuals** are
certified
- Certification is valid
for **one year**



Source: *Directory of Volunteer Environmental Monitoring Programs, 4th Edition*

Example: Nova Scotia

Salmon based, NS Liquor Corporation funded

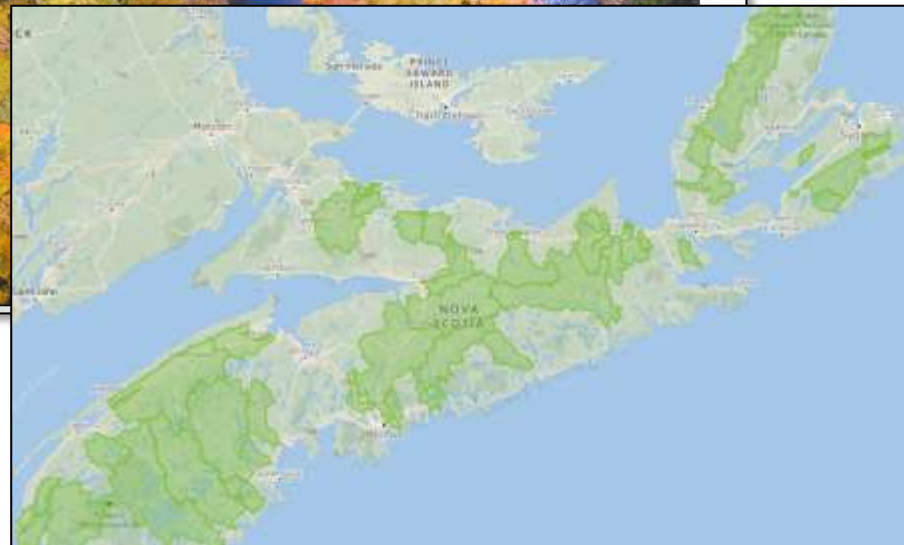
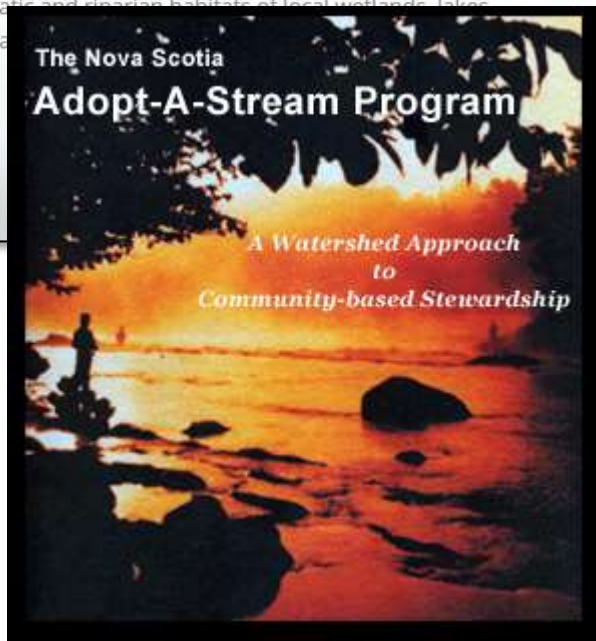


The screenshot shows the NSLC Adopt A Stream website. The logo is in the top left, and a navigation menu is at the top right. The main content area features a paragraph about the program's funding and technical support for community volunteer organizations. A green arrow points from this text to a map of Nova Scotia.

NSLC
adopt
a stream

Home Projects Planning Project Resources Training Get Involved

The NSLC Adopt A Stream Program provides funding and technical support to help community volunteer organizations undertake projects to protect, repair and improve the aquatic and riparian habitats of local wetlands, lakes, streams and rivers.



Australia

River Guardians, Swan Canning River Park

Home How you can help Projects Education Friends of River Guardians

YOUR GARDEN with Josh Byrne

GARDENING SOLUTIONS FOR A HEALTHY RIVER



Dolphin Watch
The Dolphin Watch project monitors the Swan Canning River for bottlenose dolphins.
[more ...](#)

Beach-nesting
The Swan River is rich in bird species, of which 35% are native.
In the last 10 years, the number of birds nesting on the Swan River has increased.

- Garden Design**
- Hydrozoning and 'soil and nutrient' zoning
 - Plant selection
 - Irrigation design and management
- Understanding Your Soil**
- Soil testing
 - Improving soil
- Effective and Responsible Fertiliser Use**
- Selecting the right fertiliser
 - Fertiliser alternatives
 - Application
- Supporting Local Biodiversity**

Become a member



Government of Western Australia
Department of Fisheries


MURDOCH UNIVERSITY

Recreational Fishing Initiatives Fund

FRDC
FEDERAL GOVERNMENT OF AUSTRALIA
RECREATIONAL FISHERY DEVELOPMENT CORPORATION

PRAWN WATCH

ALGAE BUSTER



PHOSPHORUS AWARENESS PROJECT

Fertilizer use



about Find