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SECOND CALL FOR PROPOSALS

Please return by Electronic way to twinbasin@oieau.fr, before 31th of July.

This session is completely open to any interested Basin Organisations

• **Names and References of Twinned Basin Organisations**

1. Basin Organisation:

Motueka Integrated Catchment Management Programme.....

Street/ PO Box: c/- Landcare Research Ltd, Private Bag 6, Nelson.....

Postal Code: 7001.....

Country: New Zealand.....

Contact Person: Andrew Fenemor.....

Name: Fenemor **First Name:** Andrew.....

Telephone:+64 3 545 7710 **Fax:** +64 3 546 8590.....

E-mail: fenemora@landcareresearch.co.nz.....

2. Basin Organisation:

Spey Fishery Board

Street/ PO Box: 1 Nether Borlum, Knockando Morayshire.....

Postal Code: AB38 7SD.....

Country: Scotland.....

Contact Person: Dr James Butler.....

Name: Butler **First Name:** James.....

Telephone: +44 1340 810841 **Fax:** +44 1340 810842.....

E-mail:director@speyfisheryboard.com.....

In partnership with:

Centre for Research on Water, c/o Geography Department, University of Dundee

Street/ PO Box: Nethergate.....

Postal Code: DD1 4HN **City:** DUNDEE.....

Country: Scotland.....


Contact Person: Professor Alan Werritty.....

Name: Werritty **First Name:** Alan.....

Telephone: +44 1382 345084 **Fax:** +44 1382 344434.....

E-mail:a.werritty@dundee.ac.uk.....

⇒ Provide copy of Twinning Agreement in attachment

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• **Programme of exchanges 2005 :**

Introduction

This application is made jointly by the parties named on page 1. It seeks support for collaboration in the sphere of Integrated Water Resources Management between the Motueka catchment, New Zealand and the Spey catchment, Scotland. The Motueka Integrated Catchment Management Programme is a multi-stakeholder group working in resource management in the Motueka river basin in New Zealand. The group is liaised by staff within Landcare Research NZ Ltd and includes local land owners, indigenous community representatives, scientific researchers, local government resource managers and other non-governmental organisations. The organisation is concerned with all aspects of watershed management including local community engagement; fisheries management (including the influence of the river on marine fisheries); land use impacts on water quality; improving water allocation for in stream and out of stream usage. New Zealand has no statutory “River Basin Organisations”; the Motueka Integrated Catchment Management Programme has been developed as a trial organisation in order to test a new structure and improve river basin (or catchment) management within New Zealand. The Spey Fishery Board is concerned with all aspects of the quantities and quality of water in the River Spey and its tributaries which affect the health of the river’s Salmon and Sea Trout populations. Dundee University carries out experimental catchment research in the Spey catchment and has a recently-created Centre for Research on Water which brings together internationally recognised expertise in water law, hydrology and geotechnics in an interdisciplinary framework well suited to addressing the needs of integrated catchment management.

The connection between the Motueka and Spey catchment programmes began early in 2005 as a result of the encouragement of the Programme Director of the UNESCO programme HELP (“Hydrology for Water Environment and People”), founded on an awareness of many similarities between the two basins, e.g. catchment size, (~2500 km²), pristine waters coming under increasing pressure from increasing water use, pressure on nationally and internationally important fisheries stocks, nationally low population densities. A visit by Dr Andrew Black (Senior Lecturer in Geography, Dundee University) in March 2005 to the Motueka catchment to meet Dr Andrew Fenemor (Integrated Catchment Management Programme Leader) and other stakeholder representatives resulted in an agreement that much could be gained by collaboration, because of the similarities in many catchment issues and the differences in catchment management owing to institutional and legislative differences. In the Spey catchment, the Spey Fishery Board is the principal locally-based statutory organisation concerned with the conservation and use of the catchment’s water resources, and has been heavily involved in the development of a catchment management plan. The Spey Board and Dundee University have been developing research interests in the Spey catchment over 3 years, and the university hopes to become more involved in the catchment management programme in the future. In applying for TWINBASIN approval, we seek support to develop a programme for the exchange of ideas and for support of each others’ decision-making; we anticipate being able to access further travel funds in our own countries to add to TWINBASIN funds.

➤ Mission 1

• **Topic : Sharing experience in engaging stakeholders for integrated catchment management**

• **Main objectives (Please provide sufficient details):**

The Motueka ICM programme will host a representative of the Spey to review community engagement methods being applied currently in New Zealand's ICM (i.e. IWRM) research programme, in the South Island's 2170km² Motueka catchment.

The methods being trialled include regular meetings of the Motueka ICM Community Reference Group, a regularly updated website at icm.landcareresearch.co.nz, and an Annual Meeting reporting and discussing progress with stakeholders in the catchment. This Mission will bring the Spey representative to NZ for the 2005 Annual Meeting of the ICM programme to be held in Nelson NZ 7-11 November 2005. During this week, the Motueka ICM programme is running a workshop for NZ regional councils, government agencies and stakeholder groups on lessons from the ICM research programme applicable in other catchments. This workshop includes a field trip and poster session with community members in the catchment. It will also include a 2-day session for delegates from South Pacific countries to learn more about how ICM approaches can be applied in their own catchments. Their attendance is funded by the UNESCO-WMO programme Hydrology for the Environment, Life and Policy (HELP) of which the Motueka ICM is a global demonstration catchment.

During the following week, members of the ICM research and policy team will host the Spey representative to meet community members and discuss the applicability of Motueka ICM engagement processes for use in further developing the ICM/IWRM approach for the Spey, in the context of the EU Water Framework Directive. Part of the ICM research programme currently is a social science evaluation of stakeholder engagement processes in the research programme and for catchment policy development, and there will be opportunity to learn from that evaluation. A key part of that evaluation is recording how effective was the initial engagement with stakeholders to define the critical catchment management issues and knowledge gaps; in the Motueka, these were largely water allocation, water quality decline especially due to sediment reaching rivers from land use activities, weed management when protecting riparian vegetation and native forest remnants, and the effects of the river plume on marine ecosystems and aquaculture productivity.

• Missions' outputs :

The objective of Mission #1 is to develop a stakeholder engagement framework for the Spey based on the lessons learned in the Motueka. We recognise that the resources for research and collaborative investigations carried out in a national programme like Motueka ICM cannot be replicated in every catchment; the experiences and knowledge – including both successes and failures - from the Motueka programme can be distilled into useful guidelines for designing an effective stakeholder engagement strategy for the Spey.

• Results indicators :

A stakeholder engagement strategy for the Spey which will be used to guide engagement work as part of the implementation process for the Water Framework Directive, incorporating both good practice for community and sector group involvement in catchment management and compliance with the legal and policy requirements of the Water Framework Directive and relevant local law.

• Host Basin Organisation : Motueka Integrated Catchment Management (ICM) programme (New Zealand)

• Expert profile (attach CV) :

• Place : Nelson New Zealand

• Duration of stay within Twinned organisation : 2 weeks

• Cost assessment :

• Air ticket : NZ\$3800

• Per Diem : 18 days * 70 Euros = E1260



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➔ **Mission 2**

• **Topic : Sharing experience in developing land and water management practices for aquatic environmental enhancement**

• **Main objectives (Please provide sufficient details):**

Following completion of the Spey Catchment Management Plan (CMP) in 2003, many stakeholders in the Spey basin have been working towards a coordinated enhancement of the water environment. This mission will showcase three particular areas of activity which will be of particular interest to the Motueka catchment representative. These are (i) the development of agri-environment schemes, (ii) water resource reallocation and (iii) woodland management. All of these activities benefit the health of the prized Spey fishery, and many other aspects of the ecosystem health, not least the protection of European designated species.

In relation to agri-environment schemes, locally-based and centrally coordinated initiatives to encourage the uptake of measures which benefit both aquatic wildlife, fisheries and farming will be illustrated by meetings with key staff and site visits. Specific examples include the use of buffer strips for water quality purposes, steps to restore floodplain functioning, water conservation measures and farm waste disposal techniques.

In relation to water resources, alternative resource allocation algorithms are being developed for rivers affected by hydro power impoundments and abstractions, based on division of the flow duration curve and seasonal divisions. Strengths and weaknesses of such approaches will be discussed in relation to the Motueka resource allocation model, and fisheries management.

Woodland management in the Spey catchment is undergoing major change, partly as a means of reintroducing native species but also because of the growing recognition of the value of woodlands in providing and maintaining freshwater habitats. The Spey CMP encourages use of woodlands for catchment management objectives, such as bank stabilisation (thus reducing downstream sedimentation), and flood reduction.

Visits and meetings will allow an evaluation of best practice in relation to all these interests. The focus of all the benefits will be discussed with stakeholders – not just compliance with the letter of directives designed to protect species and habitats, but also wider benefits which are being identified through an ecosystem services approach. Benefits for fisheries will be compared from both Spey and Motueka perspectives.

A further objective is to gain insights from staff of the International Water Law Research Institute (part of the Centre for Research on Water) at the University of Dundee in relation to the role of incentive and deterrent mechanisms which relate to both water management and land use planning. In the case of the Spey, good progress has been made in developing effective working arrangements between the Spey Fishery Board, environmental and nature conservation regulatory bodies, and water users, and this provides the opportunity to evaluate the effectiveness of policies which serve environmental, social and economic needs. Further ideas are being developed to evaluate possible changes in land use practice which would benefit downstream flood management: the Spey has internationally-important wetlands which provide biodiversity,

fishery, recreational and local economic benefits – their potential to serve water interests in the Motueka catchment will be explored. These issues would be discussed with representatives of stakeholder interests in the Spey catchment during site visits.

• Missions' outputs :

Detailed awareness of new methods for promoting uptake of agri-environment schemes, developing water resource allocation methods and using woodland to deliver catchment management and fishery objectives. Exposure to ecosystem services approach to evaluating benefits of environmental improvement.

Clearly identified approaches to land and water planning and insight into the evolving interface between these; also an evaluation of the effectiveness of informal catchment management partnership arrangements.

A review of potential of regulatory mechanisms to serve social, economic and environmental needs in the Motueka catchment

• Results indicators :

New methods for enhancing water environment in Motueka catchment, in relation to promoting uptake of agri-environment schemes, coordinating allocation of water resources between competing sectors (fisheries, hydro power, etc.) and making best use of woodlands.

• Host Basin Organisation : Spey Fishery Board and Centre for Research on Water, University of Dundee


• Expert profile (attach CV) :

• Place : Knockando (Morayshire) and University of Dundee, Scotland

• Duration of stay within Twinned organisation : 2 weeks

• Cost assessment :

• Air ticket : € 1541 **• Per Diem :** 14 days * 70 Euros = € 980

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① Support for adequate filling of the request:

1. Programme and missions should be coherent with following eligibility criteria :
 - i. Duration (More than 7 days ; less than 2 months)
 - ii. Global topic : Integrated Water Resources Management
 - iii. Existing Twinning Agreement
 - iv. MoU signed by both Basin Organisations
 - v. Coherency of Twinning Agreement with project recommendations ([see on website](#))

➡ Please send to Project Management copy of signed Twinning Agreement and TWINBASIN^{xn} MoU (MoU can be downloaded on www.twinbasin.org) if not already done.

2. For each twinning, not more than 4 missions can be considered in this assessment.

3. To each mission corresponds one expert, but this does not prevent from realizing joint missions (two experts in one mission for instance).

4. According to project recommendations ([see on website](#)), financial support will be limited for each mission to :

- Travel : maximum EUR 1000 (Train 1st Class or Plane APEX economy class);
- *Per Diem* : maximum EUR 70 per day.

If real cost is over above mentioned limits, the remaining part will be supported either by sending organisation, either by host.

5. Overall assessment will be done according to the :

- Definition of mission main objectives
- Relevance for IWRM improvement
- Expert profile (Curriculum Vitae) adequacy with objective

6. Decision for financial support will be transmitted to demander within 2 months after announced deadline for request.

7. Refunding will be done after “Expenses Form reception” and “Report approbation” (within 1 month after Report reception).