



environmental technology

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r³ is a consultancy and research company specialising in the re-use of wastes (particularly MBT and composting), contaminated land remediation (particularly using bioremediation, and for biomass production), river basin management, and sustainability appraisal. The majority of its business comes from European government and business sources and it also has strong links to US agencies. r³ has access to key contacts and organisations in land management sector in Europe, the US, Canada, other NATO countries and Australia.

Strategic planning

- appraisal of likely national interests (for example technical state of the art / requirements)
- appraisal of regional policy and regulatory perspectives

Introductions and brokerage

- identification of sectoral leaders and review of their strengths and weaknesses
- identification and introductions to potential commercial partners
- hand-holding and facilitation
- strategic advice (for example brokerage of links to policy and regulatory agencies)

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Development

- execution of market entry and feasibility studies, if required with local partners
- development of promotional / technical publications and networking
- event / workshop facilitation and independent rapporteuring
- identification of EU and other funding opportunities and support for proposal development
- *ad hoc* business development support

Information management

- development of information strategy
- Identification of key information avenues, particularly to engage technical audiences
- development of on-line information resources, including (with partners) in European languages
- drafting and production of newsletters and other nonpublished papers, support with drafting publications

Commercial support e.g. product and service development

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Some Case Studies

Warren Spring Laboratory (WSL), UK: WSL sought to adapt its mineral processing expertise to soil washing. While employed there Paul Bardos promoted WSL's soil washing work internationally through the Consoil conference series and via the NATO Committee for Challenges to Modern Society (CCMS). The WSL soil washing technology made a successful application for US funding under the SITE program through the Emerging Technology Program (<http://clu-in.org/products/site/table3.htm>).

Regenesis Inc, USA: r³ supported the US company Regenesis (www.regenesis.com) to make a highly successful entry to the UK remediation market, as well as providing wider advice about opportunities in Europe and has more recently provided consultancy support to Regenesis on EU policy and regulatory interests related to contaminated land management.

NICOLE project, Europe: r³ (with TNO in the Netherlands and ICI in the UK) was one of the partners in the Framework 4 Programme project that led to the initiation of the Network for Industrially Contaminated Land in Europe in the mid-1990s. This network has since become self-funding (www.nicole.org) and is a major influence in contaminated land management across Europe. r³ continues its involvement with NICOLE as its information manager

Cybersense, UK: Cybersense are developers and producers of analytical tools and services to the environmental sector (<http://www.cysense.com/>). r³ assisted them with making linkages to the US EPA Triad Programme, which develops applications for iterative on site characterisation tools which resulted in the initiation of a EU Triad Community of Practice with a leading role for Cybersense experts (<http://www.umass.edu/tei/conferences/abstracts.html>).

Feasibility study and business planning leading to the establishment of CL:AIRE, UK: r³ was one of three partners who carried out the initial feasibility and business planning for the UK contaminated land demonstration organisation (www.claire.co.uk). It has continued its relationship with CL:AIRE and assisted them with the successful proposal for the first EU funded project that they have been a partner in (www.eurodemo.info).

Some current networking opportunities

r³ is able to network in many countries via several platforms:

EUGRIS European Contaminated Land and Groundwater Information Service: is a web based information portal. r³ is one of the leading partners in the EU funded project that led to its initiation; and has subsequently managed EUGRIS. EUGRIS currently receives more than 10,000 visits a week, has 2,500 registered members and has nearly 7,000 information listings and links to a wide range of other pan-European initiatives (www.eugris.info). It also collaborates with the US EPA clu-in site (www.cluin.org).

r³ is the information manager for NICOLE. NICOLE is the principal forum that European business uses to develop and influence the state of the art in contaminated land management in Europe. It has 145 members including major industry and service provider organisations (www.nicole.org).

r³ is a regular contributor to the Common Forum on Contaminated land in the European Union (www.commonforum.eu) which is the regulatory "sister" network to NICOLE. It recently completed an on line "information bank" for the Common Forum

r³ has been a regular participant in NATO/CCMS studies related to contaminated land management, and as a NATO Fellow Paul Bardos undertook a review of all of its non-military study initiatives (<http://www.nato.int/sps/publication/bardos/bardos-intro.html>).

r³ has links with the United Nations Industrial Development Organization (UNIDO) in particular via its International Centre for Science and Technology in Trieste in Italy (www.ics.trieste.it) which has a particular interest in developing countries and the new economies.

r³ is a regular partner in European funded projects (a project listing is available on request) and via www.r3environmental.com, and its staff have substantial international project experience and personal contacts.