

**ADDRESS**

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**PROFESSIONAL PREPARATION**

Ph.D. 1998 Marine Science, Virginia Institute of Marine Science, College of William and Mary  
M.S. 1992 Ecology & Limnology, University of Zagreb, Natural & Mathematical Sciences, Croatia  
B.S. 1985 Biology, University of Zagreb, Natural & Mathematical Sciences, Croatia

**PROFESSIONAL EXPERIENCE**

2012 Present Associate Director, School for the Environment, UMB  
2008 Present Associate Director for Sustainability, [Green Harbors Project](#), Center for Governance and Sustainability, UMB  
2005 September - 2012 Faculty, UMB, ([EEOS](#))  
2007 Present Adjunct Professor, Institute for Fisheries and Oceanography (IZOR), Split, Croatia  
2006 – 2011 Special Advisor to the Ministry of Culture, the Government of Croatia  
2002 – 2005 Research Faculty Associate, VIMS, College of William & Mary  
1999 – 2010 Ecologist and Biodiversity Specialist, the Global Environment Facility (GEF)  
1999 – 2000 Project Specialist, Coastal States Organization (CSO), Washington DC: Designed and conducted the Coastal and Estuarine Environmental Management and Technology Project, which now helps identification and evaluation of coastal and estuarine management, technology and science needs in all 35 coastal states and territories of the USA; project reports serve as the basis for the NOAA/CICEET grant program  
1997 – 1998 Sea Grant Congressional Fellow, Office of the US Senator Daniel Akaka (D-HI), Washington, D.C.: Initiated and worked on two bills that became laws signed by President Clinton: S. 1080 National Aquaculture Development, Research and Promotion Act; H.R. 1653 Public Law 106/562 - Coral Reef Conservation Act; while S.1500 Hawaiian Tropical Forest Products Certification Act received the McArthur Foundation award  
1994 – 1997 Research Assistant, Chesapeake Bay National Research Reserve, VIMS, VA  
1992 – 1993 Professor of Biological Sciences, International Baccalaureate, Zagreb, Croatia  
1985 – 1992 Ecologist and Limnologist, National Park Plitvice Lakes (UNESCO's World Heritage Site), Croatia.

**AWARDS and FELLOWSHIPS**

2011 City of Boston, Public Service Award  
2010 – Present Biomimicry Institute Fellow  
2005 – 2007 VIMS/CCRM Research Fellow  
1997 – 1998 National Sea Grant Fellow Award (NOAA/Sea Grant Congressional Fellowship)  
1995 – 1997 International Fellowship Award, American Association of University Women (AAUW)  
1995 Dean's Prize Award for Advancement of Women in Marine Science, College of William & Mary, Virginia, USA  
1993 – 1995 International Fellowship Award, U.S. Agency for International Development (USAID)

**PEER REVIEWED PUBLICATIONS (\*students of Dr. Frankić)****Book Chapters**

**Frankić, A., L. \*Greber, C.\*McIntyre, and S.\*Sheldon.** 2012. "Green Boston Harbor Project." Chapter in *SAGE Reference Handbook on Environmental Leadership*, Volume II, Taking Action in the Face of Scientific Uncertainty.

Douglas, E., M. Finlayson, C. Revenga and **A. Frankić.** 2012. Coastal Systems and Freshwater. Chapter 10 in *Seas, Society and Human Well-being*, R. Bowen, M. Depledge and L. Fleming (eds.), Wiley Blackwell Publishing. (Forthcoming, 2012).

**Frankić, A.** 2005. "A Protected Environment in the Adriatic Area: A Key for Sustainable Economic Development". Chapter 3, pp 96-102, In: *Global Marketing Briefings: Doing Business with Croatia*. GMB Publishing Limited, 392p. ISBN-13: 9781905050031

**Frankić, A.** 2002. USA-Adriatic Cooperation in coastal affairs. In: B.C. Sain, I. Pavlin and S. Belfiore (ed.) *Sustainable Coastal Management: A Transatlantic and Euro-Mediterranean Perspective*, pp. 173-180. Kluwer Academic Publisher. 291p.

**Frankić, A.,** and C. Hershner. 2001. Seafood recipes: balancing aquaculture development with coastal planning. pp 83-100 In Burnell, G., Gouilletquer, P., Mees, J., Seys, J., Stead, S. (ed.): *Aquaculture and its role in integrated coastal zone management: handbook of contributions presented at the International Workshop, Oostende, Belgium, April 19-21, 2001*. European Aquaculture Society. Flanders Marine Institute: Oostende, Belgium. <http://www.vliz.be/docs/libac/ac49.htm>

**Papers**

\*Peharda, M, Z.\*Popović, D. Ezgeta-Balić, N. Vrgoč, S. Puljas, and **A. Frankić.** 2012. Age and growth of *Venus verrucosa* (Bivalvia: Veneridae) in the eastern Adriatic Sea. *Cahiers de Biologie Marine*, accepted for publication.

**Frankić, A.** and L. \*Greber. 2011. A Holistic Science Approach to Living within Coastal Ecosystems in Boston Harbor and Beyond. *The International Journal of Environmental, Cultural, Economic and Social Sustainability*. Vol.7 (3): 197-212.

\*Greber, L., **A. Frankić** and J. Muller. 2011. National Estuarine Research Reserves (NERRs) as common grounds: towards a holistic science approach to research, education, and outreach with religious communities to enhance climate and environmental literacy at Waquoit Bay, Cape Cod, Massachusetts, USA. *Journal of Integrative Environmental Sciences*. Vol. 8 (2): 81-101.

**Frankić, A., L. \*Greber** and M. Farnsworth. 2011. Teaching and learning with nature using a biomimicry-based approach to restore three keystone habitats: salt marsh, eel grass and shellfish beds. Biomimicry Institute, Editor. Proceedings of the first biomimicry in higher education webinar. January 29, 2011: TBI. [[PDF](#)]

\*Sheldon, S. and **A. Frankić.** 2011. "A Model For Relating Environmental Variation To Water Permit Violations At Thermoelectric Facilities In The Taunton River Watershed." *Proceedings from the ASME 2011 International Mechanical Engineering Congress & Exposition, Nov 11-17, 2011*. Paper No. IMECE 2011-63785.

\*Sheldon, S. and **A. Frankić**. 2011. "A model for relating environmental variation to water permit violations at thermoelectric facilities." April 28, 2011. Interdisciplinary Perspectives: Graduate Student Research Showcase. UMass Boston, MA.

\*Sheldon, S. and **A. Frankić**. 2009. "Water, Energy, and Drought: Water Use for Energy Production in the U.S." April 7, 2009. Sixth Annual MA WRRC Conference. UMass Amherst, MA. Available Online: [http://scholarworks.umass.edu/wrrc\\_conf/68/](http://scholarworks.umass.edu/wrrc_conf/68/)

\*Vella, P., R.E. Bowen, and **A. Frankić**. 2008. "An Evolving Protocol to Identify Key Stakeholder Influenced Indicators of Coastal Change: The Case of Marine Protected Areas" *ICES Journal of Marine Science*, 66: 203-213.

\*Peharda, M., I. Župan, L. Bavčević, **A. Frankić** and T. \*Klanjšček. 2007. Growth and condition index of mussel *Mytilus galloprovincialis* in experimental integrated aquaculture. *Aquaculture Research*. 38: 1714-1720.

Bowen, B., **A. Frankić**, and M. Davis. 2006. Human development and resources use in the coastal zone: influences on human health. *Oceanography*, Vol.19, No.2:62-71.

**Frankić, A.** and C. Hershner. 2003. Sustainable Aquaculture: Developing the promise of aquaculture. *Aquaculture international*, 11 (6): 517-530.

**Frankić, A.** and M. P. Lynch. 1996. **ECOSTAR**-A program for identifying ecotourism activities that support sustainable development in coastal regions. Coastal and Marine Tourism World Congress. Honolulu, Hawaii, June 19-22 1996. Proceedings, pp. 252-267.  
[http://nsgl.gso.uri.edu/washu/washuw96003/washuw96003\\_part11.pdf](http://nsgl.gso.uri.edu/washu/washuw96003/washuw96003_part11.pdf)

## OTHER PUBLICATIONS AND TECHNICAL REPORTS

\*Greber, L. and **A. Frankić** (PI). 2010. Stewardship as Common Ground: Towards a holistic science approach to research, education, and outreach with religious communities to enhance environmental literacy in the Waquoit Bay area. Report submitted to NOAA/NERRs.

Massachusetts Ocean Management Plan, the final Plan Dec 2009. <http://www.mass.gov/eoeea> (Member of the Science Advisory Council)

\*McIntyre, C., C. Sweeney and **A. Frankić**. 2011. University of Massachusetts Boston: Division of Marine Operations; Environmental Earth and Ocean Sciences. Annual Report. *Head of the Harbor Pump-out Boat Service, Research, Education and Outreach Report*. December 2011.

\*McIntyre, C., C. Sweeney and **A. Frankić**. 2010. University of Massachusetts Boston: Division of Marine Operations; Environmental Earth and Ocean Sciences. Annual Report. *Head of the Harbor Pump-out Boat Service, Research, Education and Outreach Report*. November 2010.

**Frankić A.**, and C. \*McIntyre. 2009. Green Boston Harbor Project: Marine Invasive Species Monitoring in Boston Harbor Report. University of Massachusetts Boston, Environmental Earth and Ocean Sciences. December 2009. [http://www.umb.edu/gbh/research\\_and\\_publications/](http://www.umb.edu/gbh/research_and_publications/)

**Frankić, A.** 2009. University of Massachusetts Boston: Division of Marine Operations; Environmental Earth and Ocean Sciences. 2009 *Head of the Harbor* Pump-out Boat Service, Research, Education and Outreach Report. September 30, 2009.

**Frankić, A.** 2007. Coastal Ecosystem Management and Sustainable Aquaculture in Welfleet Harbor, MA. Association of Scottish Shellfish Growers (ASSG) International Conference, Oban, October 18-19, 2007. <http://www.assg.co.uk/conference07.pdf>

**Frankić, A.** 2006. Capacity Development for Oceans and Coastal Management: Mobilizing to address needs. Global Forum on Oceans, Coasts and Islands. UNESCO, Paris, January 23-28, 2006. Report, p40, 43; <http://www.globaloceans.org/globalconferences/2006/pdf/ParisConferenceReportsFINAL.pdf>

**Frankić, A.** 2005. Guidance and Key Questions on Integrated Oceans Policies. The Ocean Policy Summit, October 11-13, 2005, Lisbon, Portugal. The Ocean Policy Summit Bulletin, Vol. 117 No. 1, Sunday, 16 October 2005. p.11.  
<http://www.globaloceans.org/tops2005/pdf/TOPS2005ENBSummaryReport.pdf>

**Frankić, A.** 2004. Lessons learned in Community based approaches to Coastal Management in the US and Croatia. CoCoNet – Coastal Community Network Workshop, June 17 – 22. 2004.  
<http://coconet.ucc.ie/workshop%203/AnaMarija.pdf>  
<http://coconet.ucc.ie/workshop%203/Workshop%203%20Report%20Final.pdf>; <http://coconet.ucc.ie/>

**Frankić, A.** 2004. "Analytical approach for governing coastal ecosystems". Invited panelist and speaker at the Coastal Society 19th International Conference, May 23-26, 2004. Newport, RI. Proceedings.p.26.  
<http://www.thecoastalsociety.org/conference/tcs19/program/finalprogram.pdf>

**Frankić, A.** 2003. Integrated Coastal Zone Management Plan for Croatia with special focus on Aquaculture. Zagreb, Croatia, June 15-18 2003. Report.  
<http://ccrm.vims.edu/publications/pubs/Adriaticaquaculture.pdf>

**Frankić, A.** 2002. "Biocomplexity and Sustainable Ecosystem Management: Integrating natural, social and economic sciences." REPORT, (NSF grant ID#0231577), Workshop in Dubrovnik, Croatia, October 7-12, 2002; <http://ccrm.vims.edu/publications/pubs/dubrovnikreport.pdf>

**Frankić, A.** and C. Hershner. 2001. Sustainable Aquaculture: Developing the promise of aquaculture. Invited Speaker. Global Forum on Oceans, Coasts and Islands Conference Rio+10, UNESCO, Paris, December 3-7, 2001. Proceedings.  
<http://www.globaloceans.org/globalconferences/2001/rio+10/pdf/Program.pdf>

**Frankić, A.** and C. Hershner. 2001. Seafood recipes: balancing aquaculture development with coastal planning. Invited Speaker; Pp 83-100 in Burnell, G.; Gouletquer, P.; Mees, J.; Seys, J.; Stead, S. (edd.): Aquaculture and its role in integrated coastal zone management: handbook of contributions presented at the International Workshop, Oostende, Belgium, April 19-21, 2001. European Aquaculture Society. Flanders Marine Institute: Oostende, Belgium. <http://www.vliz.be/docs/libac/ac49.htm>

**Frankić, A.** 2000. Prevention and Legal issues of Marine Debris. **Invited Speaker** and Panelist. International Marine Debris Conference, Honolulu, Hawaii. August 6-11, 2000. Proceedings.  
[http://hawaii.humpbackwhale.noaa.gov/documents/pdfs\\_conferences/proceedings.pdf](http://hawaii.humpbackwhale.noaa.gov/documents/pdfs_conferences/proceedings.pdf)

**Frankić, A.** 1999. Technology and information needs of the coastal and estuarine management community. Report, No. 40AANC801324, pp. 60, and Survey Report, pp. 202, NOAA/CICEET, Silver Spring, MD. <http://ciceet.unh.edu>; <http://www.cleanwater.gov/coastalresearch/appa.html>

Fox-Norse, V., R. Bailey, W. Boynton, **A. Frankić**, and J. Proni. 1999. Driving science and management issues and related information needs. U.S.C-GOOS, May 1999, Report, UMCES Contribution No. 3217. <http://www.hpl.umces.edu/projects/wrkrpt.pdf>

**Frankić, A.** 1998. A framework for planning sustainable development in coastal regions: an island pilot project in Croatia. Dissertation. p.124; Virginia Institute of Marine Science, Library. <http://www.vims.edu/library/mainpubs.html>

## PUBLISHED ABSTRACTS

\***Maguire, T.** and **A. Frankić.** 2012. Development of a salt marsh restoration site selection method for urban harbors. Poster, Restore America's Estuaries (RAE), Conference, October 20-25, 2012. Tampa FL.

**Frankić, A.** and R. Kenchington. 2007. The case of Marine Protected Areas in the Adriatic Region. European Symposium on Marine Protected Areas. September 25-28, 2007. Murcia, Spain, Proceedings, p.105. ISBN: 978-84-8371-687-8

\***Vella, P., Bowen, B.** and **A. Frankić.** 2007. An Evolving Protocol to Identify Key Stakeholders Influenced Indicators of Coastal Change: The Case of Marine Protected Areas. European Symposium on Marine Protected Areas, September 25-28, 2007. Murcia, Spain. Proceedings, p. 308. ISBN: 978-84-8371-687-8

**Frankić, A.** 2004. "The environment sets the limits for sustainable coastal management and development." Workshop on marine spatial planning: Making the Plan. University of Gent, Belgium, January 15-18 2004. Proceedings.p16 <http://www.maritieminstituut.be/uploads/b13.pdf>

**Frankić, A.** and C. Hershner. 2000. Applied Science and Management Framework for Sustainable Development in Coastal Areas: An Island Pilot Project. pp. 710, In: *Periodicum biologorum*, Vol 102, Supplement 1, Zagreb, 2000. pp. 1-727. LITTORAL 2000: Responsible Coastal Zone Management the Challenge of the 21<sup>st</sup> Century. ISSN: 0031-5362

## PRESENTATIONS

**Frankic, A.** 2013. Water: Nature's Solutions and How Do We Fit In? (Invited keynote speaker), 9<sup>th</sup> International Conference on Molluscan Shellfish Safety. 17-22 March 2013. Sydney, Australia. <http://www.icmss2013.com/program.html>

**Frankic, A.** 2012. Whole system practices for urban areas: greening the harbor and city neighborhoods. (Invited speaker and panelist). NESEA BE12 Conference, Boston, March 7-10, 2012.

**Frankic, A.** 2012. Biomimicry: nature's wisdom in education. (Invited seminar speaker). MITS (Museum Institute for Teaching Science). Clark University, January 24, 2012.

**Frankic, A.** 2011. Climate Change awareness raising and education: Green economy – powering climate solutions. Side event organized by UNEP/UNESCO/UNICEF/World Bank. (Invited Panelist), December 1-7, 2011. COP 17, Durban, South Africa.

**Frankic, A.** 2011. Global Universities Partnership on Environment for Sustainability (GUPES): High Level Planning, Consultative, Sharing and Learning Meeting for University Leaders. (Invited university representative) 5-6 September, 2011. Santiago, Chile.

**Frankic, A.** 2011. Shellfish Spawning Sanctuaries and Oyster Reef Restoration in Wellfleet Harbor. (Invited speaker). June 6, 2011. Wellfleet Workshop.

\*Greber, L. and **A. Frankić.** 2011. Stewardship as Common Ground: Outreach, education and research with religious communities to enhance environmental literacy and stewardship in the Waquoit Bay (Cape Cod, MA) and Boston Harbor areas. Coastal Zone 11. Chicago, IL, July 20, 2011.

\*Greber, L., **A. Frankić,** A. \*Etkind, and M. \*Eustis. 2010. To dwell in the haven of the sea: Towards a holistic science approach to coastal ecosystem stewardship for Malibu Beach (Boston Harbor, MA) and Waquoit Bay (Waquoit Bay, MA). Changing Science, Changing Society Conference. UMass Boston, April 16, 2010.

\*Greber, L. and **A. Frankić.** 2010. Listening to the grass: A holistic science approach to supporting climate resilience of linked human-natural coastal ecosystems in Malibu Bay (Boston Harbor, MA; USA). 66<sup>th</sup> Annual Northeast Fish and Wildlife Conference. Newton, MA, April 26, 2010.

\*Sheldon, S., and **A. Frankić.** 2010. Thermoelectric Power and the Environment: The Water-Energy Nexus in Massachusetts". April 8, 2010. Presentation. Seventh Annual MA WRRC Conference – Monitoring and Responding to Water Resource Challenges. UMass Amherst, MA.

**Frankić, A.,** E. Douglas, and L. \* Greber. 2010. *Practical Ecoliteracy: Educating Green Leaders for a Green Economy.* National Council for Science and the Environment: The New Green Economy Conference. Washington, DC, January 20, 2010.

**Frankić, A.,** \*C. Schuman, and \*D. Bassett. 2009. Best management practices and guidelines for Green Boston Harbor, MA, USA. CZ09 Conference, Boston, MA July 19-23, 2009

**Frankić, A.** 2009. Integrated Ocean Management and Planning: Are we learning form 40 years of ICZM? NEERS Symposium on Ocean and Coastal Management, Salem MA, April 2 2009.

\*Bassett, D. and **A. Frankić.** 2009. Carrying Capacity for Boston Harbor boat moorings. CESN09 Conference, Boston, MA July 22-23 2009.

\*Greber, L, **A. Frankić,** and J. Muller. 2009. Climate as Common Ground: Outreach and Research with Religious Communities to Enhance Environmental Literacy and Stewardship. CZ09 Conference, Boston, MA July 19-23, 2009.

\*Sheldon, S. and **A. Frankić.** 2009. The hydrological impact of thermoelectric energy production in MA. CZ09 Conference, Boston, MA July 19-23, 2009.

\*Frashure, K., R. Bowen, R. Chen, and **A. Frankić.** 2009. An Ecosystem management tool for the selection of environmental and socio-economic indicators in urban estuaries. (presentation) at CZ09 Conference, Boston, MA July 19-23, 2009.

\*Greber, L., **A. Frankić,** and J. Muller. 2009. Climate as Common Ground: Outreach and Research with Religious Communities to Enhance Environmental Literacy and Stewardship. CZ09 Conference, Boston, MA July 19-23, 2009.

- \*Greber, L., **A. Frankić**, and J. Muller. 2009. Climate as Common Ground: Outreach and research with religious communities to enhance environmental literacy and stewardship in the Waquoit Bay area. NSF GK-12 National Meeting, Washington, DC, March 2009 (poster)
- \*Starbuck, K. and **A. Frankić**. 2008. Recipe for a sustainable Wild Bay Scallop (*Agropecten irradians irradians*) fishery on Nantucket Island, Massachusetts. Restore American Estuaries 4<sup>th</sup> National conference, October 11-15, 2008, Providence, RI. (poster)
- \*Greber, L., **A. Frankić**, and J. Muller. 2008. Climate as Common Ground: Outreach and research with religious communities to enhance environmental literacy and stewardship in the Waquoit Bay area. NERRS Annual Meeting. Monterey, CA. Nov. 2008
- \*Greber, L. and **A. Frankić**. 2008. Climate as Common Ground: Outreach and Research with Religious Communities to Enhance Environmental Literacy and Stewardship in the Waquoit Bay Area. Restore American Estuaries 4<sup>th</sup> National conference, October 11-15, 2008, Providence, RI. (poster)
- Frankić, A.** and R. Kenchington. 2007. The case of Marine Protected Areas in the Adriatic Region. European Symposium on Marine Protected Areas. September 25-28, 2007. Murcia, Spain,
- Frankić, A.** 2007. Coastal Ecosystem Management and Sustainable Aquaculture in Wellfleet Harbor, MA. Association of Scottish Shellfish Growers (ASSG) International Conference, Oban, October 18-19, 2007. (Invited speaker)
- \*Cataldo, A. and **A. Frankić**. 2007. Coastal Ecosystem Management in Wellfleet Harbor, MA. Addressing sustainable shellfishing and aquaculture. Poster Presentation, ASLO 2007, February 4-9, Santa Fe, New Mexico. <http://alpha.es.umb.edu/faculty/af/files/Aslo%20Poster.ppt>
- Frankić, A.** 2006. Capacity Development for Oceans and Coastal Management: Mobilizing to address needs. Global Forum on Oceans, Coasts and Islands, UNESCO, Paris, January 23-28, 2006. (Invited speaker and panelist)
- Frankić, A.** 2005. Guidance and Key Questions on Integrated Oceans Policies. The Ocean Policy Summit, October 11-13, 2005, Lisbon, Portugal. (Invited speaker)
- Frankić, A.** 2004. Lessons learned in Community based approaches to Coastal Management in the US and Croatia. CoCoNet – Coastal Community Network Workshop, June 17 – 22. 2004. (Invited speaker)
- Frankić, A.** 2004. "The environment sets the limits for sustainable coastal management and development." Workshop on marine spatial planning: Making the Plan. University of Gent, Belgium, January 15-18 2004. (Invited speaker)
- Frankić, A.** 2003. Integrated Coastal Zone Management Plan for Croatia with special focus on Aquaculture. Zagreb, Croatia, June 15-18 2003. (Invited speaker and panelist)
- Frankić, A.** and C. Hershner. 2001. Sustainable Aquaculture: Developing the promise of aquaculture. Global Forum on Oceans, Coasts and Islands Conference Rio+10, UNESCO, Paris, December 3-7, 2001. (Invited speaker and panelist)
- Frankić, A.** 2001. USA-Adriatic Cooperation in coastal affairs. NATO Advanced Research Workshop. Ljubljana, Slovenia, July 4-6 2001. (Invited speaker)

**Frankić, A.**, and C. Hershner. 2001. Seafood recipes: balancing aquaculture development with coastal planning. International Workshop, Oostende, Belgium, April 19-21, 2001. European Aquaculture Society. Flanders Marine Institute. (Invited speaker)

**Frankic, A.** and C. Hershner. 2000. Applied Science and Management Framework for Sustainable Development in Coastal Areas: An Island Pilot Project. LITTORAL 2000, September 13-17 2000. (Invited speaker and panelist)

**Frankić, A.** 2000. Invited Panelist and presenter addressing Prevention and Legal issues of Marine Debris. International Marine Debris Conference, Honolulu, Hawaii. August 6-11, 2000. (Invited speaker and panelist)

**Frankić, A.** and M. P. Lynch. 1996. **ECOSTAR** -A program for identifying ecotourism activities that support sustainable development in coastal regions. Coastal and Marine Tourism World Congress. Honolulu, Hawaii, June 19-22 1996.

## RESEARCH PROJECTS

**Green Harbors Project (GHP)** (2008) [www.umb.edu/gbh](http://www.umb.edu/gbh): Dr. Frankic initiated and developed GHP with the vision and mission to provide undergraduate and graduate students opportunity to work in the local environment by developing their individual projects, thesis and dissertation topics that will integrate educational, research and outreach components and support sustainability in Urban Harbors. GHP's premise is *"The environment sets the limits for sustainable development and coastal stewardship. We can adapt with the rest of nature and flourish environmentally, economically and culturally."* GHP, part of the [Center for Governance and Sustainability](#), has been selected as one of the global coastal solutions by Savannah Ocean Exchange, and represents a pilot case study for UNEP/GUPES (United Nations Environment Program/Global University Partnership on Environment for Sustainability). GHP developed guidelines for the first "Green Harbors" in the USA and establishing a green harbor network globally. EPA Region 1 selected Dr. Frankic and her team at UMB to lead urban watershed restoration in Boston area, and they recently signed the [MOU](#).

**Oyster population Propagation and Conservation Project, Wellfleet Harbor** (2010): GHP is collaborating with the Town of Wellfleet in an Oyster propagation project for the Harbor. The project uses a novel and holistic approach to improve conditions caused by excess nutrients and coastal eutrophication and to meet state-wide nutrient loading goals. For example, an adult oyster may filter 25-50 gallons of water providing nutrient and carbon sinks. This project involves establishing an approximately two acre oyster spawning and settlement ground that is expected to provide the following benefits: approximately 2 million additional oysters annually; potential increase in commercial shellfish value of \$1million; and 50-90 million gallons of increased water filtration daily.

**Croatian Nature Protection Investment Project (CNPIP)** (2008): Dr. Frankic spearheaded this project as a follow up to the karst ecosystem conservation project in Croatia; she helped develop proposal for the largest conservation project in the Adriatic region; in the summer of 2008 the project preparation phase was launched when Dr. Frankic worked as a consultant for the World Bank.

**EUROPEAN CONSENSUS Project** (2005/06): Dr. Frankic was invited by the European Aquaculture Society to advise and to help prepare the New Strategy for Sustainable Aquaculture Development in Europe; she was the only invited member of the working group invited outside the EU member states; Dr Frankic was a leader and moderator of the Shellfish working group of fifteen stakeholder representatives including scientists, practitioners, sea food industries, marketing, policy and regulation; The final report with recommendations is included in the preparation of the EU Marine Directive.



**COAST Project – Conservation and sustainable use of biodiversity in the Dalmatian coast through greening coastal development; Croatia, United Nations Development Program (UNDP) (GEF grant \$US 33.3 mil) (2002/08):** Dr. Frankic successfully initiated and helped developed the Karst Ecosystem Conservation project in Croatia (see below), she continued to address the conservation needs in the coastal part of Dalmatia in Croatia; she was instrumental in the development of the project document and also worked as a consultant for the UNDP in the project preparation; her work included detailed assessments of the protected areas in the coastal region, identification of the science and research needs to support environmental assessments and conservation in each protected area; she also assessed the social and economic needs in the each protected area and identified all the key stakeholders (local communities) necessary to be involved and included in the project preparation in order to successful and efficiently prepare detail project plan.

**Marine Protected Areas Network in the Adriatic Sea (2.5 mil €) (2006)** this proposal was initiated and put together by Dr. Frankic as an advisor to the Gov. of Croatia, Ministry of Culture; This project proposal was submitted to the EU for funding in 2007 but was recently declined; However, Dr. Frankic proceeded with the initiative and effort to get funding for the conservation of the Adriatic Sea and concentrate on the Croatian part; the result was the recent World Bank project launch of the **Croatian Nature Investment Project** in the summer of 2008, with the budget request of 50 mil €;

**Karst Ecosystem Conservation (KEC) Project, WB/GEF grant project in Croatia, \$US 5.07 million; (1998-2002);** Dr. Frankic, while still a graduate student at VIMS, College of William & Mary, spearheaded the idea of the conservation project in her war-torn country specifically in the National Park Plitvice Lakes from where she was forced to flee when the war started; she spent 4 years working on the initiation of the project at the World bank and the GEF (Global Environment Facility), and collaboration with the Croatian Government still in war; Dr. Frankic became a consultant for the GEF/World Bank to work on the preparation of this project which was the first international conservation project in Croatia, and for the first time in the history of Croatia the Ministry for Environment was established to support the KEC project as well as future project;

**Integrated Coastal Zone Management Plan for Croatia with special focus on Aquaculture (2003/05):** Dr. Frankic wrote the Report accepted by the Government of Croatia and the Ministry of Fisheries as the key guidelines for sustainable aquaculture development in Croatia.  
<http://ccrm.vims.edu/publications/pubs/Adriaticaquaculture.pdf>

**GAUFRE Project (2004):** Invited to participate and help prepare a Spatial Structure Plan for sustainable management of the North Sea in Belgium, in January 2004.  
<http://www.maritieminstituut.be/uploads/b13.pdf>;  
<http://ccrm.vims.edu/publications/pubs/Belgiumworkshop.pdf>

**Coastal Ocean Observing Panel, UNESCO/IOC (2003/05):** invited member of the Panel; helped in identifying and developing indicators for ICM and CGOOS Plan,  
<http://ioc.unesco.org/jcomm/man4/DRAFT-COOPplan.doc>; participated at the Panel meetings in Mazatlan, Mexico; Paris, France; Halifax, Canada; Washington DC;

**Global Forum on Oceans, Coasts and Island Conference.** UNESCO, Paris, France, November 12-14, 2003. “Dr. Frankic is one of the individuals who played, with great dedication, a key role in the organization of the Global Conference and in the preparation of this report”:  
<http://www.globaloceans.org/globalconferences/2003/pdf/2004WSSDImplementationReport.pdf>  
<http://www.globaloceans.org/globalconferences/2006/pdf/ParisConferenceReportsFINAL.pdf>

**Teaching Integrated Coastal Management Course at the University of Brazil** (2003/04) the U.S.-Brazil Consortium in Marine Policy: Rio Grande do Soul, and Rio De Janeiro, Brazil. Volunteered in teaching ICM course at the University of Brazil; two summer weeks of intense course schedule was delivered to graduate students from the US and Brazil; <http://ccrm.vims.edu/research/international.html>

**Blue infrastructure (coastal natural resources) criteria and mapping project in VA** (2001/05): Based on the Dr. Frankic dissertation and premise that “environment sets the limits” for sustainable uses in coastal areas, she helped prepare this project, which was developed to assess coastal natural resources and coastal infrastructures and indicate existing and potential use conflicts as well as possible mitigation for existing uses – based on the use suitability criteria analysis; [http://ccrm.vims.edu/gis\\_data\\_maps/data/blueinfrastructure/bi\\_intro.html](http://ccrm.vims.edu/gis_data_maps/data/blueinfrastructure/bi_intro.html)

**Integrated Use Suitability and Spatial Model for Commonwealth of Virginia coastal waters; & Enhancement of Aquaculture Management in Virginia** (2000/04):

Dr. Frankic was instrumental in developing the use suitability analysis in coastal waters of the Commonwealth of Virginia, and in preparing and writing the report for the enhancement of aquaculture management; [http://ccrm.vims.edu/gis\\_data\\_maps/interactive\\_maps/disclaimer\\_shallow\\_wateruse.html](http://ccrm.vims.edu/gis_data_maps/interactive_maps/disclaimer_shallow_wateruse.html)

**ADVISORS**

C. Hershner (Postdoc, Ph.D.) and M. Lynch (Ph.D.)

**GRADUATE STUDENT ADVISEES**

**Doctoral:** Seth Sheldon (08/2012 Graduated); Lisa Greber (06); Zvezdana Popovic (2008, University of Split, Croatia);

Co-advising doctoral students: Kim Frashure (2006); Prassede Vella (2006); Reinmar Seidler (2006/2010 Graduated); Nika Stagicic (2007, University of Split); Marina Kuzmanic (2007, University of Split);

**Masters:** Kendall Walker (2011); Tim Maguire (2010/2012 Graduated); Mike Riccio (2009/2011 Graduated); Chris McIntyre (2009/2012 Graduated); Anny Cataldo (04/07 Graduated); Shelley Edmundson (05/07 Graduated); Kim Starbuck (06/08 Graduated); and Erin Remillard (06/08 Graduated);

**PUBLIC SERVICE**

**Advisory Council, AASHE (Association for the Advancement of Sustainability in Higher Education)** (2011-Present).

**Member and Panelist, AAUW (American Association of University Women)** (2010-Present).

**Organizer and Leader of the Youth Green Teams** (2009- Present) – in the Neponset and Mystic River Watershed neighborhoods; organized and lead environmental educational summer programs for youth (“Join the green gang not the street gang”); for which she received Public Service Award from the City of Boston in Dec 2011.

**Environmental Advisor to the Ministry of Culture, the Government of Croatia (2006-present)**

Represented the Gov. of Croatia at international meetings related to environmental issues, Law of the Sea meetings UN meetings in New York (2006); Washington DC (2005/06); UN meetings in Paris, UNESCO/IOC (2005/06) and representing Croatia at the Global Forum for Oceans, Coasts and Islands meetings in Paris (2005/06/07); Dr. Frankic is responsible to prepare documentation for the meetings, and provide statements, and reports;

**Co-President – New England Friends of Croatia (NEFC) (2006-2008)**

Since arrival in Boston, September 2005, Dr. Frankic became involved in the work of the NEFC, the only organization of this kind in the New England region; Dr. Frankic was selected as a co-president, she helped in organizing the financial support for the Croatian school from the Croatian Government, organized the first visit by the Croatian Ambassador and Cultural Attaché from the Croatian Embassy in Washington DC, in February 2007; helped organized the first Croatian Film Festival in Coolidge Theater, Cambridge, May 2008;

**Secretary – Meeting House Hill Civic Association, Dorchester, MA (2006- 2008)**

Dr. Frankic moved to Dorchester in September 2005, and realized that the neighborhood has a crime issue, and that it is one of the dirtiest places she ever lived in; therefore she tried to make a difference and became involved in the Civic Association, participated at the meetings and work with neighborhood; She initiated the first Boston Shines neighborhood cleanup in 2006;

**Member- Mather Elementary School Site Council (2007 – 2010)** helping with grant proposals for the school yard beautification; environmental education (her students are involved in helping science teachers in the classrooms and in the field); Dr. Frankic also initiated the first COASTSWEEP at the Mather School in 2008, when 85 kids (K-4) were engaged in picking up trash and planting bulbs; and learning about their coastal environment;

**Project Coordinator (June 2009 - 2010) at The Mather Elementary School** where she initiated and helped prepared proposal for the Mather School outdoor project which received \$300,000 grant from the Boston Schoolyard Initiative;

**Volunteer - Women for Women in Bosnia (1994-1996)**, American organization helping victims of the War in Bosnia; Dr. Frankic translated letters during the war that were exchanged between American women supporting the women in Bosnia. In 1994, she hosted two women that survived the rape camps during the war in Bosnia and came to the USA; Dr. Frankic and contributed in making the documentary film “**Calling the Ghosts**” that captured the women’s stories and received the Emmy’s and Human Rights Watch Awards 1996.

**Volunteer - Emergency Medical Technician (EMT) (1995-1997)** - Rescue Squad, Gloucester Pt VA; worked once a week for two years daily shifts as an EMT, and also as an ambulance driver;

**TEACHING**

**Introduction to Oceanography**, undergrads, general education course

**Coastal Ecosystem Management ([CZM classes](#))** – undergrads and graduate

**[Capstone Classes](#)** – senior undergraduates

**[Biomimicry Classes](#),**

**Nantucket [workshops](#), as well as numerous educational seminars** – undergrads and grads, teachers, informal educators, and corporate professionals;