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**Contract EVK3-CT-2001-00065  
Characterisation of the Baltic Sea Ecosystem (CHARM)**

**Final Report including 3rd Periodic Report,  
Management Report and Final T.I.P. from the CHARM Project**

## **Annex B - Publications and dissemination**

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## B1 Publications and dissemination

### B1.1 International publications

- #1 Bangel, H. 2004: Die Repräsentativität des Monitorings im Oderästuar – neue Anforderungen vor dem Hintergrund der Wasserrahmenrichtlinie. – In: G. Schernewski & T. Dolch (Eds.): The Oder Estuary – against the background of the European Water Framework Directive. – Marine Science Reports 57. ISSN: 0939-396X, pp. 67-84.
- #2 Bangel, H., G. Schernewski, A. Bachor & M. Landsberg-Ucziwek 2004: Spatial pattern and long-term development of water quality in the Oder Estuary. – In: G. Schernewski & T. Dolch (Eds.): The Oder Estuary – against the background of the European Water Framework Directive. – Marine Science Reports 57. ISSN: 0939-396X, pp. 17-65.
- #3 Bonsdorff, E., Laine, A. O., Hänninen, J., Vuorinen, I. & Norkko, A. 2003: Zoobenthos of the outer archipelago waters (N. Baltic Sea) - the importance of local conditions for spatial distribution patterns. – Boreal Environment Research: 8: 135-145.
- #4 Boström C., Baden S.P. & Krause-Jensen D. 2003: The seagrasses of Scandinavia and the Baltic Sea. – In Green E.P. & Short F.T. (Eds.): World atlas of seagrasses. California University Press, pp. 27-37. **Del. 20/32, 25.**
- #5 Bäck S. & Likolammi M. 2004: Phenology of *Ceramium tenuicorne* in the SW Gulf of Finland, northern Baltic Sea. – Annales Botanici Fennici 41: 95-101.
- #6 Carstensen, J, Frohn, L.M., Hasager, B.C. & Gustafsson B.G. (*in press*): Summer algal blooms in a coastal ecosystem: the role of atmospheric deposition versus entrainment fluxes. – Estuarine, Coastal and Shelf Science. **Del. 17.**
- #7 Domin A., Schubert H., Krause J.C. & Schiewer U. 2004: Modelling of pristine depth limits for macrophyte growth in the southern Baltic Sea. – Hydrobiologia 514: 29-39. (Acknowledgement lacking by mistake). **Del. 20/32.**
- #8 Frederiksen M., Krause-Jensen D, Holmer M. & Laursen J. 2004: Spatial and temporal variation in eelgrass (*Zostera marina*) landscapes: influence of physical setting. – Aquatic Botany 78: 147-165. **Del. 20/32.**
- #9 Frederiksen M., Krause-Jensen D., Holmer M. & Laursen J. 2004: Long-term changes in area distribution of eelgrass (*Zostera marina*) in Danish coastal waters. – Aquatic Botany 78: 167-181. **Del. 20/32.**
- #10 Josefson, A.B. & Hansen, J.L.S. 2004: Species richness of benthic macrofauna in Danish estuaries and coastal areas. – Global Ecology and Biogeography 13: 273-288.
- #11 Kotta, I., Orav-Kotta, H., Kotta, J. 2003: Macrozoobenthos assemblages in highly productive areas of the Estonian coastal sea. – Proc. Estonian Acad. Sci. Biol. Ecol., 52: 149–165. **[Copy of publication will be forwarded as soon as possible]**
- #12 Kotta, J. & Ólafsson, E. 2003: Competition for food between the introduced polychaete *Marenzelleria viridis* (Verrill) and the native amphipod *Monoporeia affinis* Lindström in the Baltic Sea. – Journal of Sea Research 50: 27–35.

- #13 Kotta, J., Simm, M., Kotta, I., Kanošina, I., Kallaste, K. & Raid, T. 2004: Factors controlling long-term changes of the eutrophicated ecosystem of Pärnu Bay, Gulf of Riga. – *Hydrobiologia*, 514: 259-268.
- #14 Krause-Jensen D., Greve T.M. & Nielsen K. (*in press*): Eelgrass as a bioindicator under the Water Framework Directive. – *Water Resources Management*. **Del. 20/32, 29, 30.**
- #15 Lauringson, V. & Kotta, J. 2005: Influence of the thin drift algal mats on the distribution of macrozoobenthos in Kõiguste Bay, NE Baltic Sea. – *Hydrobiologia*  
**[Copy of publication will be forwarded as soon as possible]**
- #16 Middelboe A.L., Sand-Jensen K. & Krause-Jensen D. 2003: Spatial and interannual variations with depth in eelgrass populations. – *Journal of Experimental Marine Biology and Ecology* 291: 1-15. **Del. 20, 30.**
- #17 Neumann, T. & Schernewski, G. (*in press*): An ecological model evaluation of two nutrient abatement strategies for the Baltic Sea. – *Journal of Marine Systems*.
- #18 Nielsen K., Sømmod B., Ellegaard C. & Krause-Jensen D. 2003: Assessing reference conditions according to the European Water Framework Directive using modelling and analysis of historical data: an example from Randers Fjord, Denmark. – *Ambio* 32: 287-294. **Del. 20/32.**
- #19 Orav-Kotta, H., Kotta, J. & Kotta, I. 2004: Comparison of macrozoobenthic communities between the 1960s and the 1990s-2000s in the Väinameri, NE Baltic Sea. – *Proc. Estonian Acad. Sci. Biol. Ecol.*, 53: 283–291.  
**[Copy of publication will be forwarded as soon as possible]**
- #20 Paalme, T., Martin, G., Kotta, J., Kukk, H., Kaljurand, K. 2004: Distribution and dynamics of drifting macroalgal mats in Estonian coastal waters during 1995–2003. – *Proc. Estonian Acad. Sci. Biol. Ecol.*, 53: 260–268.
- #21 Perus, J. & Bonsdorff, E. 2004: Long-term changes in macrozoobenthos in the Åland archipelago, northern Baltic Sea. – *J. Sea Res.* 52: 45-56.
- #22 Pitkänen, H., Lehtoranta, J., Peltonen, H., Laine, A., Kotta, J., Kotta, I., Moskalenko, P., Mäkinen, A., Kangas, P., Perttilä, M. & Kiirikki, M. 2003: Benthic release of phosphorus and its relation to environmental conditions in the estuarial Gulf of Finland, Baltic Sea, in the early 2000s. – *Proc. Estonian Acad. Sci. Biol. Ecol.*, 52: 173–192.  
**[Copy of publication will be forwarded as soon as possible]**
- #23 Rödiger, S. 2004: Die Makrofauna des Oderhaffs - Vorschläge für ein Monitoring nach EU-WRRL. – In: G. Schernewski & T. Dolch (Eds.): *The Oder Estuary – against the background of the European Water Framework Directive*. – *Marine Science Reports* 57. ISSN: 0939-396X, pp. 127-178.
- #24 Rönnerberg, C. & Bonsdorff, E. 2004: Baltic Sea eutrophication: area-specific ecological consequences. – *Hydrobiologia* 514: 227-241.
- #25 Sagert S., Krause-Jensen D., Henriksen P., Rieling T. & Schubert H. (*in press*): Integrated ecological assessment of Baltic Sea coastal areas by means of phytoplankton and macrophytobenthos. – *Estuarine, Coastal and Shelf Science*. **Del. 21.**

- #26 Schernewski, G. & T. Dolch (Eds.) 2004: The Oder Estuary - against the background of the European Water Framework Directive. – Marine Science Reports 57. ISSN 0939-396X, 288 p.
- #27 Schernewski, G. & Neumann, T. 2005: The trophic state of the Baltic Sea a century ago: a model simulation study. – Journal of Marine Systems 53: 109-124.
- #28 Torn K. & Martin G. 2004 (*in press.*): Environmental factors affecting the distribution of charophyte species in Estonian coastal waters, Baltic Sea. – Proceedings of the Estonian Academy of Sciences. Biology. Ecology 53: 251-259. **Del. 25.**

## B1.2 Submitted international publications

- Carstensen, J., Conley, D.J, Andersen, J.A. & Ærtebjerg G.: Coastal eutrophication and trend reversal: a Danish case study, *submitted manuscript*. **Del. 29.**
- Gasiunaite, Z., Cardoso, A.C., Heiskanen, A.-S., Henriksen, P., Kauppila, P., Olenina, I., Pilkaityte, R., Purina, Razinkovas, A., Sagert, S., Schubert, H. & Wasmund, N.: Seasonality of coastal phytoplankton communities in the Baltic Sea: influence of salinity and eutrophication. – *Submitted to Estuarine, Coastal and Shelf Science.*
- Greve T.M. & Krause-Jensen D.: Stability of eelgrass (*Zostera marina* L.) depth limits: influence of habitat types. – *Submitted to Marine Biology*. **Del 30.**
- Helminen, U., Josefson, A.B., Perus, J., Heiskanen, A.-S. & van de Bund, W.: Towards functional typology of coastal Baltic Sea: verification based on phytoplankton and macrozoobenthos. – *Submitted*. **Del 22.**
- Krause-Jensen D., Carstensen J. & Dahl K.: Cover and composition of coastal macroalgae in relation to water quality. – *Submitted to Estuaries*. **Del. 15, 25.**
- Martin G., Paalme T. & Torn K.: Growth- and production rate of drifting *Furcellaria lumbricalis* community in waters of West Estonian Archipelago, the Baltic Sea. – *Submitted to Hydrobiologia*. **Del. 15.**
- Martin G., Paalme T. & Torn K.: Production rate of loose-lying and attached forms of red algae *Furcellaria lumbricalis* and *Coccotylus truncatus* in Kassary Bay, West Estonian Archipelago. – *Submitted to Hydrobiologia*. **Del. 15.**
- Torn K., Krause-Jensen D. & Martin G.: Present and past depth distribution of bladderwrack (*Fucus vesiculosus*) in the Baltic Sea. – *Submitted to Aquatic Botany*. **Del. 20/32, 25, 30.**
- Wielgat, M. & G. Schernewski: Pristine conditions in the Oder Lagoon. – *Submitted to Acta hydrochimica et hydrobiologica.*

## B1.3 Publications in preparation

- Blümel C., Schubert M., Steinhart T. & Schubert H.: Development of ecological quality standards for submersed macrophytes of coastal lagoons of the German Baltic Sea.

- Feuerpfeil P. & Schubert H.: Depth limits of macrophyte communities along the salinity gradient of the German Baltic coast.
- Gromisz, S., Heiskanen, A.-S., Henriksen, P., Kauppila, P., Raateland, A., Kuuppo, P., Purina, I., Sagert, S., Wasmund, N. & Witek, Z.: Applicability of phytoplankton diversity indices for the assessment of the ecological quality of the coastal Baltic Sea ecosystem.
- Helminen, U., Josefson A.B., Perus, J., Heiskanen, A.-S. & van de Bund, W.: Towards functional typology of coastal Baltic Sea: verification of typology based on phytoplankton and macrozoobenthos.
- Henriksen, P., Kauppila, P., Purina, I., Gromisz, S. & Sagert, S.: Analysis of the temporal bloom patterns in the Baltic Sea.
- Martin G., Torn K. & Ikauniece A.: Factors affecting depth distribution of macroalgae communities in the Gulf of Riga.
- Martin G.: Depth distribution of red algae *Furcellaria lumbricalis* along the Baltic Sea gradient.
- Nappu N., Ruuskanen A., Kiirikki M., Kinnunen V. & Bäck S.: Depth distribution of *Fucus vesiculosus* in the Finnish Archipelago (preliminary title).
- Pilkaityte R., Gasiunaite Z., Razinkovas A., Schubert H., Stankunavicius G. & Wasmund N.: Factors structuring cyanobacteria assemblages in the Baltic Sea.
- Rieling, T., Schubert, H. & Sagert, S.: Phytoplankton indicators for the assessment of the ecological state of brackish coastal waters - a contribution to the implementation of the EU-WFD in Germany.
- Ruuskanen A., Bäck S., Nappu N. & Kauppila: Long term changes in vertical growth limit of *Fucus vesiculosus* belt in the eastern Gulf of Finland – use as biological element within WFD.

#### **B1.4 Other publications**

- Carstensen, J., Heiskanen A.-S., Henriksen, P., Gromisz, S., & Kauppila, P. (*in press*): Developing reference conditions for phytoplankton in the Baltic coastal waters. Part II: Examples of reference conditions developed from the Baltic Sea. – JRC Technical EU report.
- Carstensen; J., Helminen, U., Heiskanen, A.-S. 2004: Typology as a structuring mechanism for phytoplankton composition in the Baltic Sea. – In: G. Schernewski & M. Wielgat (Eds.): Baltic Sea Typology Coastline Reports 4: 55-64.
- Christiansen, T., Andersen, J. & Brøgger Jensen, J. 2004: Defining a typology for Danish coastal waters. – In: G. Schernewski & M. Wielgat (Eds.): Baltic Sea Typology. – Coastline Reports 4, ISSN 0928-2734, pp. 49-54.
- Design of networks for monitoring ecological status of coastal waters in the Baltic Sea Ecoregion. – *Unpublished report* (Del. 34)
- Heiskanen, A.-S., Carstensen, J., Henriksen, P., Gromisz, S., Kauppila, P., Sagert, S. & Jaanus, A. (*in press*): Estimation of confidence on ecological quality classifications of Baltic Sea coastal waters based on phytoplankton parameters. – JRC Technical EU report.

- Heiskanen, A.-S., S. Gromisz, A. Jaanus, P. Kauppila, I. Purina, S. Sagert & N. Wasmund (*in press*): Developing reference conditions for phytoplankton in the Baltic coastal waters. Part I: Applicability of historical and long-term datasets for reconstruction of past phytoplankton conditions. – JRC Technical EU report.
- Kauppila, P., Pitkänen, H., Räike, A., Kiirikki, M., Bäck, S. & Kangas, P. 2004: The Baltic waters around Finland: Eutrophication continues despite decreased nutrient loading. – In: Eloranta, P. (Ed.): Inland and coastal waters of Finland. SIL XXIX Congress, Lahti, Finland, 8-14 August 2004. University of Helsinki. ISBN 952-10-1141-6. Pp. 41-62. **Del. 29.**
- Kauppila, P., Pitkänen, H., Korhola, A., Pellikka, K., Vaalgamaa, S. & Weckström, K. (*in press*): Assessing ecological status in an urban estuary in the northern Baltic Sea and its recovery from pollution. – Proceedings of the International Association of Theoretical and Applied Limnology, Vol. 29.
- Kauppila, P., Pitkänen, H., Räike, A., Kiirikki, M., Bäck, S. & Kangas, P. 2004: The Baltic waters around Finland: Eutrophication continues despite decreased nutrient loading. – In: Eloranta, P. (Ed.): Inland and coastal waters of Finland. SIL XXIX Congress, Lahti, Finland, 8-14 August 2004. University of Helsinki. ISBN 952-10-1141-6. Pp. 41-62.
- Kotta, J., Orav-Kotta, H., Kotta, I. & Simm, M. 2003: Effects of the introduced polychaete (*Marenzelleria viridis*) on the simple ecosystem of the northern Baltic Sea. – Third International Conference on Marine Bioinvasions, March 16-19, 2003, Scripps Institution of Oceanography, La Jolla, California, Abstract Book, p. 74.
- Kotta, J., Martin, G., Torn, K. 2003: Benthic communities of four selected habitat types in the sea area of Lahemaa National Park, southern Gulf of Finland. – Proc. Estonian Acad. Sci. Biol. Ecol., 52: 236–253.
- Krause-Jensen D., Carstensen J. & Dahl K: Klassifikation af kystvande vha. makroalgerne dybdefordeling. – NERI report (*draft*). In Danish. **Del. 20.**
- Olenin S. & Daunys D. 2004: Coastal typology based on benthic biotope and community data: The Lithuanian case study. – In: G. Schernewski & M. Wielgat (Eds.): Baltic Sea Typology. – Coastline Reports 4, ISSN 0928-2734, pp. 65-83.
- Perus, J., Bäck, S., Lax, H-G., Westberg, V., Kauppila, P. & Bonsdorff, E. 2004: Coastal marine zoobenthos as an ecological quality element: a test of environmental typology and the European Water Framework Directive. – In: Schernewski G. & Wielgat, M. (Eds.): Baltic Sea Typology. - Coastline Reports 4 (2004): 27-38.
- Rödiger, S., G. Schernewski & M. Zettler 2003: Die Makrozoobenthosbesiedlung des Oderhaffs vor dem Hintergrund der EU-Wasserrahmenrichtlinie. – Tagungsbericht der Deutschen Gesellschaft für Limnologie (DGL) und der deutschen und österreichischen Sektion der Societas Internationalis Limnologiae (SIL), Braunschweig 2002, Bd. 2, 560-564.
- Schernewski G. & M. Wielgat 2004a: Towards a Typology for the Baltic Sea. – In: G. Schernewski & N. Loser (Eds.): Managing the Baltic Sea. – Coastline Reports 2, ISSN 0928-2734, pp. 35-52.
- Schernewski G. & M. Wielgat 2004b: A Baltic Sea Typology according to the EC-Water Framework Directive: Integration of national typologies and the water body concept. – In: G. Schernewski & M. Wielgat (Eds.): Baltic Sea Typology. – Coastline Reports 4, ISSN 0928-2734, pp. 1-26.

- Schernewski, G. 2003: CHARMante Forschung - Die Umsetzung der Wasserrahmen-richtlinie. – In Wissenschaftsgemeinschaft Leibnitz (Hrsg.): Der verschwundene Hering und das Geheimnis des Regenmachers. Umweltforschung der Leibnitz-Gemeinschaft - Qualität und Vielfalt. Leibnitz-Gemeinschaft, Bonn, 136-137.
- Schernewski, G. 2004: Umsetzung der Wasserrahmenrichtlinie in der Ostsee. In: Die EG-Wasserrahmenrichtlinie – Grundlagen und Praxisbeiträge der Grünen-Liga-Seminarreihe, Band 2, Grüne-Liga, 47-48.
- Schernewski, G., T. Neumann & M. Wielgat 2003: Implementation of the Water Framework Directive in the Baltic Sea Ecoregion. – *Coastline* 2003 3/4: 22-23.
- Thamm, R., Schernewski, G., Wasmund, N. & Neumann, T. 2004: Spatial phytoplankton pattern in the Baltic Sea. – In: G. Schernewski & M. Wielgat (Eds.): *Baltic Sea Typology*. – *Coastline Reports* 4, ISSN 0928-2734, pp. 85-109.

## B1.5 Posters

- Gromisz, S., Heiskanen A.-S., S. Sagert, H. Schubert, P. Kauppila, A. Raateland, P. Henriksen, I. Purina, N. Wasmund, Z. Witek 2004: Applicability of phytoplankton diversity indices for the assessment of the ecological quality of the coastal Baltic ecosystem. – Poster presented at: Towards operational management of coastal eutrophication in Europe. CHARM Workshop, August 23-25, 2004, Tallinn, Estonia.
- Heiskanen A.-S., A.C. Cardoso, C. Duhamel, R. Pilkaityte, Z. Gasiunaite, I. Olenina, A. Razinkovas, H. Schubert, S. Sagert, P. Kauppila, L. Lepistö, A. Raateland, N. Wasmund, A. Jaanus, P. Henriksen, S. Gromisz, Z. Witek, and I. Purina 2002: Developing an ecological quality classification scheme for the coastal Baltic Sea using phytoplankton. – Poster presented at the conference “Science in support of EU water policies - sustainability of aquatic ecosystems” organized by JRC & DG RTD in Stresa, Italy, 26-28 November 2002.
- Martin G. 2002: Developing and testing of typology based water quality classification system for coastal waters of NE Baltic Sea using benthic biological indicators. – *Poster* presented at the International Conference on Science in Support of European Water Policies Sustainability of Aquatic Ecosystems. Stresa, Italy, 2002. **Del. 30.**
- Nielsen K., Sømmod B., Ellegaard C. & Krause-Jensen D. 2002: Reference conditions – a case study in Randers Fjord, Denmark. – *Poster* presented at “12. Danske Havforskermøde”, University of Århus, Denmark, January 9-11, 2002. **Del. 20/32.**
- Perus, J., Bonsdorff, E. & Bäck, S.: Testing proposed Finnish WFD-typology against quality element macrozoobenthos. – Poster presented at the CHARM Workshop, August 23-25, 2004, Tallinn, Estonia.
- Pilkaitytė, R., Gasiūnaitė, Z. & Razinkovas, A. 2004: Factors structuring cyanobacteria assemblages in the Baltic Sea. – Poster presented at Towards operational management of coastal eutrophication in Europe. CHARM Workshop, August 23-25, 2004, Tallinn, Estonia.
- Rieling, T., Sagert, S., Bahnwart, M., Selig, U. & Schubert, H. 2003: A systematic approach for a phytoplankton based classification system of highly variable, eutrophicated Baltic coastal waters. – Poster presented at the BMB Congress in Helsinki, 23.08-28.08.2003.



- Schernewski G. & M. Wielgat (poster): Towards a Typology for the Baltic Sea. – European Conference on Coastal Zone Research: an ELOISE Approach, Portoroz, Slovenia, November 14-18, 2004.
- Schernewski G. & M. Wielgat. (poster): Entwurf einer Typologie für die Ostsee. – Nationaler Workshop zur “Typologie und Bewertung von Küsten- und Übergangsgewässern nach EU-WRRL”, 16./17.06.2004 im BSH in Hamburg.
- Schernewski G. & M. Wielgat. (poster): Towards a typology for the Baltic Sea. – International conference BaltCoast 2004 - Managing the Baltic Sea. Rostock-Warnemuende, 26-28 April 2004.
- Schernewski G. & M. Wielgat. (poster): Towards a typology for the Baltic Sea. – AMK-Tagung (Annual Meeting of the Association “Marine and Coastal Geography”). Rostock-Warnemuende, 27-29 April 2004.
- Schernewski G. & M. Wielgat. 2004 (posters): Towards a typology for the Baltic Sea: integration of national typologies. – CHARM Workshop “Towards operational management of coastal eutrophication in Europe”, August 23-25, 2004, Tallinn, Estonia.
- Thamm, R., G. Schernewski & N. Wasmund (posters): Spatial phytoplankton distribution and typology. – CHARM Workshop “Towards operational management of coastal eutrophication in Europe”, August 23-25, 2004, Tallinn, Estonia.
- Torn K. 2004: Present and past depth distribution of bladderwrack (*Fucus vesiculosus*) in the Baltic Sea. – Marie Curie Fellowship in the domain of Marine Sciences. – *Poster* presented at Eur-OCEAN 2004, Galway, Ireland, 10-13 May 2004. **Del. 20/32, 25, 30.**

## B1.6 Oral presentations

- Andersen, J.H. et al.: Coastal monitoring networks, variables, frequencies and principles. – *Oral presentation* at the Second CHARM Dialogue meeting, 26-27 April 2004, Copenhagen, Denmark.
- Andersen, J.H. et al.: Monitoring of eutrophication in Danish coastal waters sensu the EU Water Framework Directive. – *Oral presentation* at the CHARM Workshop, August 23-25, 2004, Tallinn, Estonia.
- Blümel C., Schubert M. & Schubert H. 2004: A classification scheme for submersed macrophyte communities in the inner coastal waters of Mecklenburg-Vorpommern (Germany). – *Oral presentation* at the XVIII International Seaweed Symposium, Bergen, Norway, June 2004. **Del. 20/15/30.**
- Bonsdorff, E.: Benthic infauna as indicators of environmental quality - needs and requirements under the EU Water Framework Directive in an ever changing environment. – *Oral presentation* at the CHARM Workshop, August 23-25, 2004, Tallinn, Estonia.
- Gasiunaite, Z., A. C. Cardoso, A-S. Heiskanen, P. Henriksen, P. Kauppila, I. Olenina, R. Pilkaityte, I. Purina, A. Razinkovas, S. Sagert, H. Schubert & N. Wasmund 2004: Seasonality of coastal phytoplankton assemblages in the Baltic Sea: influence of salinity and eutrophication. – Presented at: Towards operational management of coastal eutrophication in Europe. CHARM workshop, August 23-25, 2004, Tallinn, Estonia.

- Heerkloss, R. & H. Schubert 2004: Long-term studies of temperature dependent plankton community changes in an estuarine system of the southern Baltic Sea. – Lagoons and coastal wetlands in the global change context: Impacts and management issues. Venice, Italy, 26-28 April 2004.
- Heiskanen, A.-S., S. Gromisz, A. Jaanus, P. Kauppila, I. Purina, S. Sagert & N. Wasmund 2004: Developing reference conditions for phytoplankton in the Baltic coastal waters. – Presented at: Towards operational management of coastal eutrophication in Europe. CHARM workshop, August 23-25, 2004, Tallinn, Estonia.
- Henriksen, P., P. Kauppila, S. Sagert, S. Gromisz, I. Purina & A. Jaanus, 2004: Temporal phytoplankton bloom patterns and frequencies in the Baltic Sea. – Presented at: Towards operational management of coastal eutrophication in Europe. CHARM workshop, August 23-25, 2004, Tallinn, Estonia.
- Josefson, A.B., Perus, J., Jermakovs, V., Kotta, J., Daunys, D. & Olenin, S. 2004: Fitting biology to typology indicates importance of residence time for benthic macrofaunal community structure. – *Oral presentation* at: Towards operational management of coastal eutrophication in Europe. Charm Workshop. Book of Abstracts, August 23–25, 2004, Tallinn, Estonia, p. 10.
- Kauppila P., Nappu N., Ruuskanen A., Kiirikki M. & Bäck S. 2002: Trends of Secchi depth and growth depth of *Fucus* along the Finnish coast. – *Oral presentation* at The Changing State of the Gulf of Finland Ecosystem symposium in Tallinn 28-30 October 2002. **Del. 15.**
- Kauppila, P., Weckström, K., Vaalgamaa, S., Korhola, A., Pitkänen, H., Reuss, N. & Drew, S. 2004: Tracing pollution and recovery using sediments in an urban estuary, northern Baltic Sea. Are we far from ecological reference conditions? CHARM Workshop, August 23-25, 2004, Tallinn, Estonia.
- Kotta, J., Lauringson, V., Kotta, I. 2004: When does anthropogenic nutrient enrichment cause change in the structure and function of benthic invertebrate communities? Towards Operational Management of Coastal Eutrophication in Europe. Charm Workshop, Book of Abstracts, August 23–25, 2004, Tallinn, Estonia, p. 21
- Krause-Jensen D. 2004: Seagrasses and macroalgae as indicators of water quality. 3. – *Oral presentation* at the CHARM Workshop, August 23-25, 2004, Tallinn, Estonia. **Del. 30.**
- Martin G. 2004: Distribution pattern of red algae *Furcellaria lumbricalis* in the Baltic Sea. – *Oral presentation* at the 39th European Marine Biology Symposium, Genoa, 21-24 July 2004. **Del. 15.**
- Martin G., Paalme T. & Torn K. 2004: Growth and production rate of drifting *Furcellaria lumbricalis* community in waters of West Estonian Archipelago, the Baltic Sea. – *Oral presentation* at the International Phycological Congress, Bergen, Norway. **Del. 15.**
- Martin G., Paalme T. & Torn K.: Production rate of loose-lying and attached forms of red algae *Furcellaria lumbricalis* and *Coccotylus truncatus* in Kassary Bay, West Estonian Archipelago Sea. – *Oral presentation* at the Baltic Sea Science Congress, Helsinki, September 2003. **Del. 15.**
- Möller T. & Martin G.: Evaluation of different phytobenthos parameters for water quality classification in the Baltic Sea. – *Oral presentation* at the 39th European Marine Biology Symposium, Genoa, 21-24 July 2004. **Del. 30.**

- Nappu N., Ruuskanen A. & Kiirikki M. 2004: Seasonal variation in filamentous algae and their effect on *Fucus vesiculosus* colonisation. – *Oral presentation* at the 39th EMBS symposium, Genoa, Italy. 21-24 July 2004. **Del. 15.**
- Nappu N., Ruuskanen A., Kinnunen V. & Kiirikki M. 2002: Temporal changes in vertical distribution of northern Baltic *Fucus vesiculosus* (L.). – *Oral presentation* at the 37th EMBS Reykjavik, Iceland 2002. **Del. 15.**
- Pilkaitytė, R., Razinkovas, A., Gasiūnaitė, Z. 2004: Factors structuring cyanobacteria assemblages in the Baltic Sea. – The 16th Symposium of the International Association for Cyanophyte Research, Luxembourg, August 30 - September 3, 2004.
- Rieling, T., Sagert, S., Bahnwart, M., Selig, U. & Schubert, H. 2003: Definition of seasonal phytoplankton events for analysis of long term data from coastal waters of the southern Baltic Sea with respect to the requirements of the European Water Framework Directive. – In: Brebbia C.A., Almora D. & D. Sales, Water Pollution VII, Modelling, Measuring and Prediction, WIT Press, pp. 103-114 (*paper presented at the Water Pollution Congress, Cadiz, 18.-20.06.2003*).
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- Schernewski, G. (oral presentation): Umsetzung der Wasserrahmenrichtlinie in der Ostsee. EG-Wasserrahmenrichtlinie und Meeresschutz. Tagung der Grünen Liga und Aktionskonferenz Nordsee, Bremen, 17. Mai 2003. (Einladung).
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## **B1.7 Thesis publications**

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