

14 February 2013

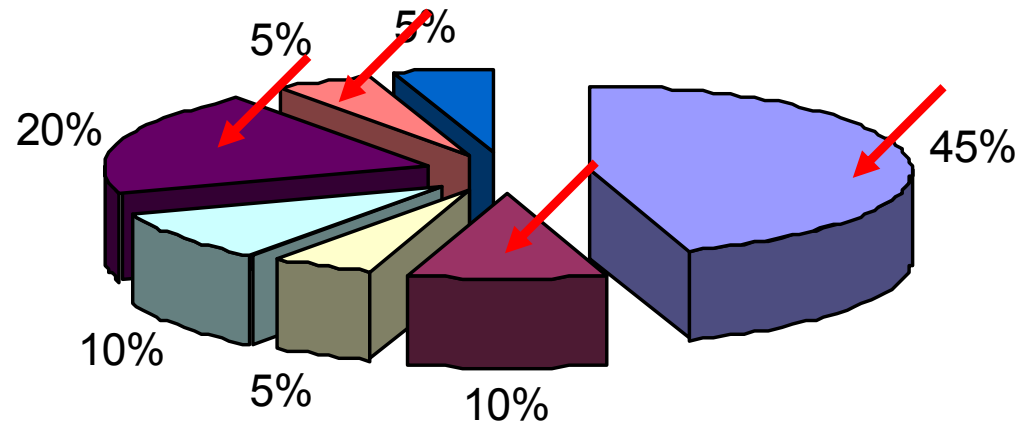
TOPCONS & IEG SPBRS RAS



2nd REPORTING PERIOD
&
Updates&Plans
Events in March SPb



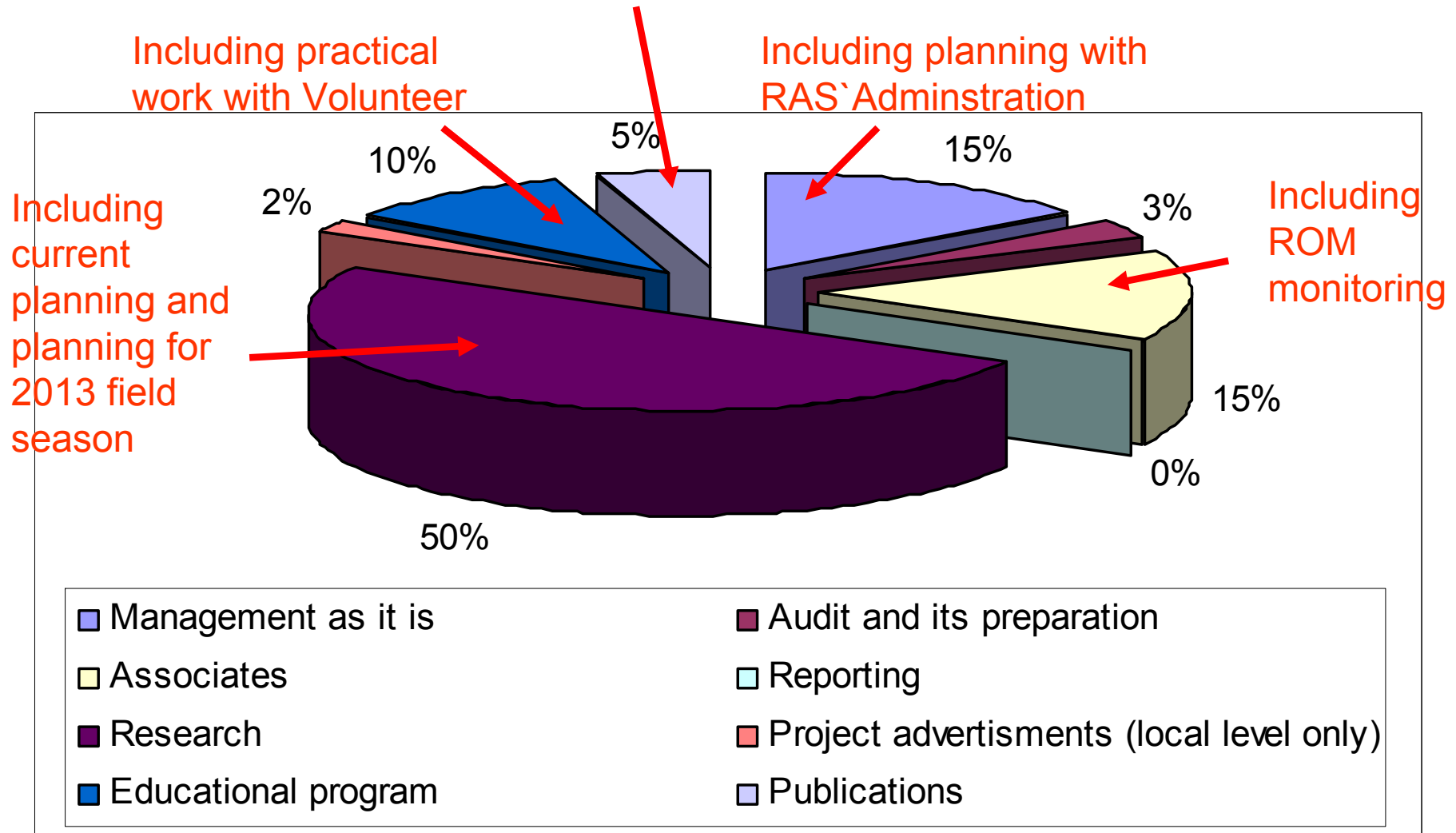
1st REPORTING PERIOD



- Management as it is
- Audit and its preparation
- Associates
- Reporting
- Research
- Project advertisements
- Educational program

2nd REPORTING PERIOD

Preparation of bio-geo publications (new)



Management Project staff



Preliminary “financial” summary for year 2012 (in Euros)

Total costs - 43630

Advance payment from LP - 29000

Co-financing – 14630 (33.5%)

Initially suggested by
Cost Estimation

Total costs - 72148

1. Human resources - 17045

2. Travels (including per diem, paid from LP budget) - 2439

3. Equipment and supplies - 6117

4. Local office - 851

5. Outsourcings, including auditing costs - 15531

Administrative costs – appr. 3054

Issues for narrative report-2

1. Explanation to costs (including Auditor's report) and co-financing strategy (to fFinancial report)

2. General WP-1 work results
3. Advertisement of project

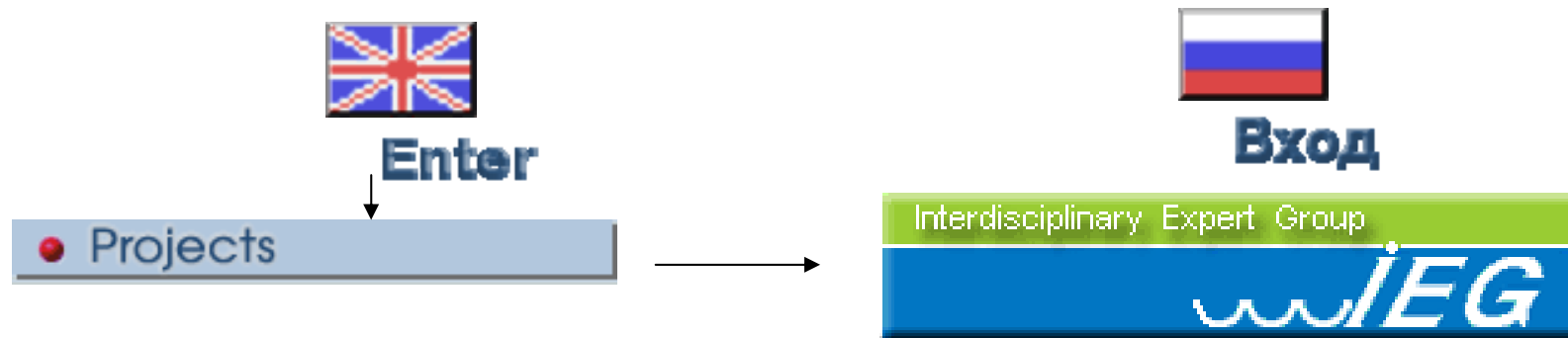
4. Main part of the report 4.1. Research as they are and 4.2. Data management (development data(knowledge)base) with subsequent aprobation
5. Preparation to field 2013 (minutes and supplement of ZIN RAS meeting, 21 December, 2012)
6. Co-operative research with VSEGEI and prepared publication
7. GIS software for combining point and spatial data, a review of possibilities
8. Individual narrative reporting by those whose contribution is not presented in collective reporting files (4-6.)
9. Glossary-no special issue, individual work

Plans for open projects events in 2013

- Minutes of SPBRC RAS (as TOPCONS project partner) Executive C-tee meeting , 31 January, 2013

<http://www.zin.ru/projects/ieg/general.htm>

Project advertisements (visibility action)



WEB PAGE in Russian at

www.spbrc.nw.ru

(discussed)

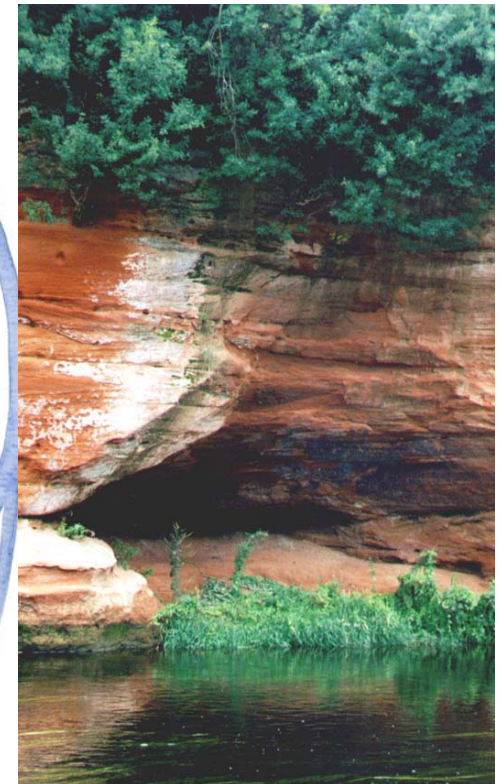
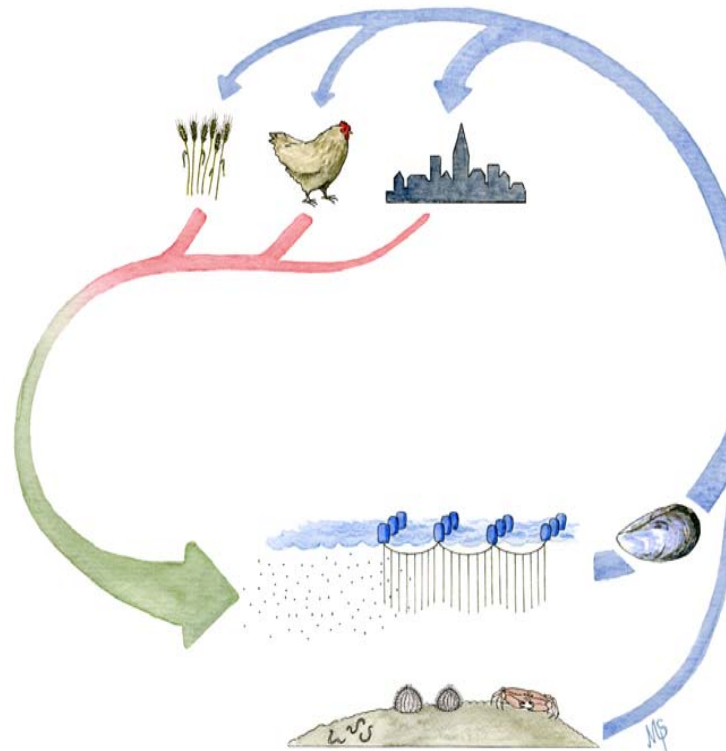
&

www.zin.ru

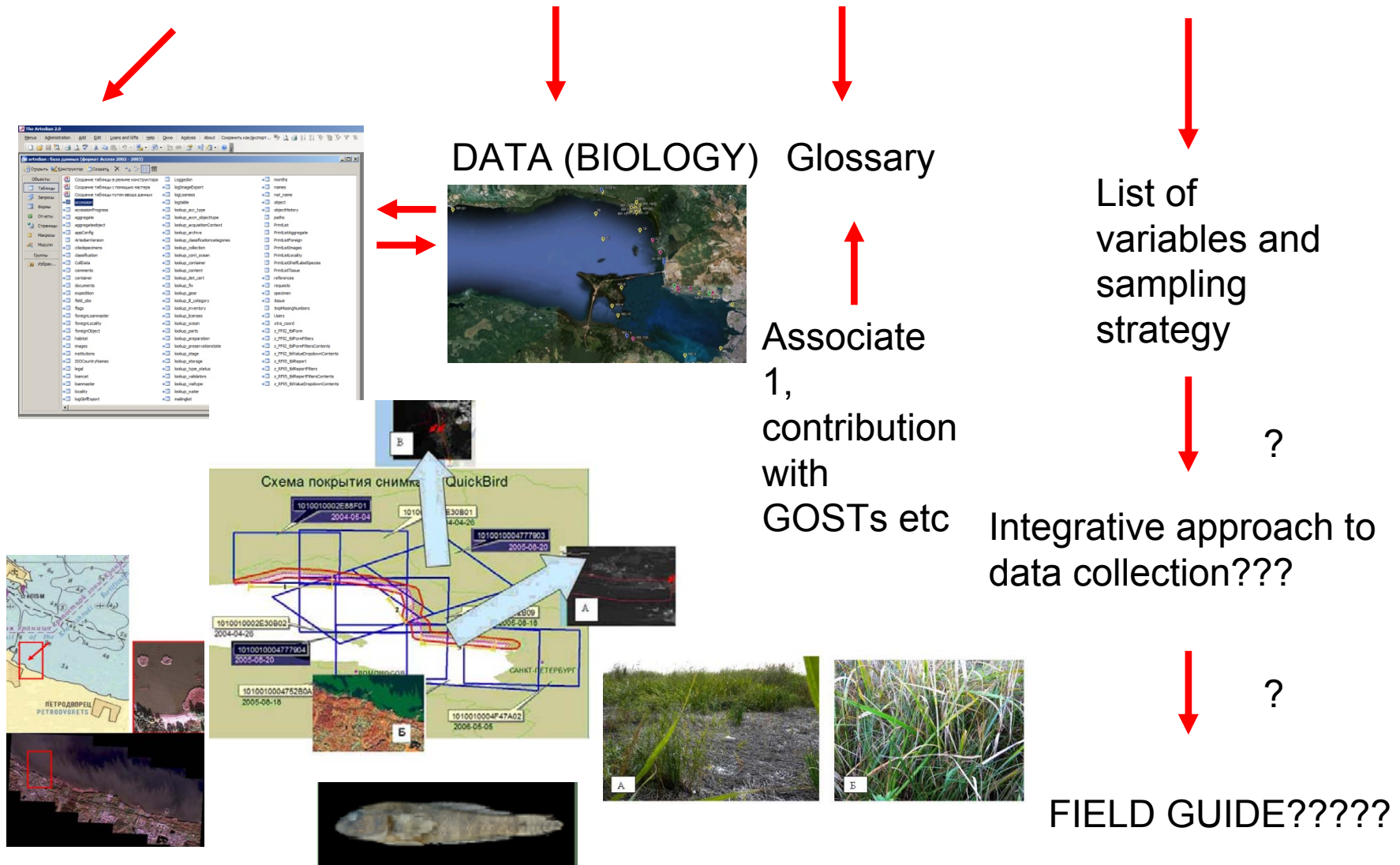
(at preparation, to be posted after submitting report of 2RP)



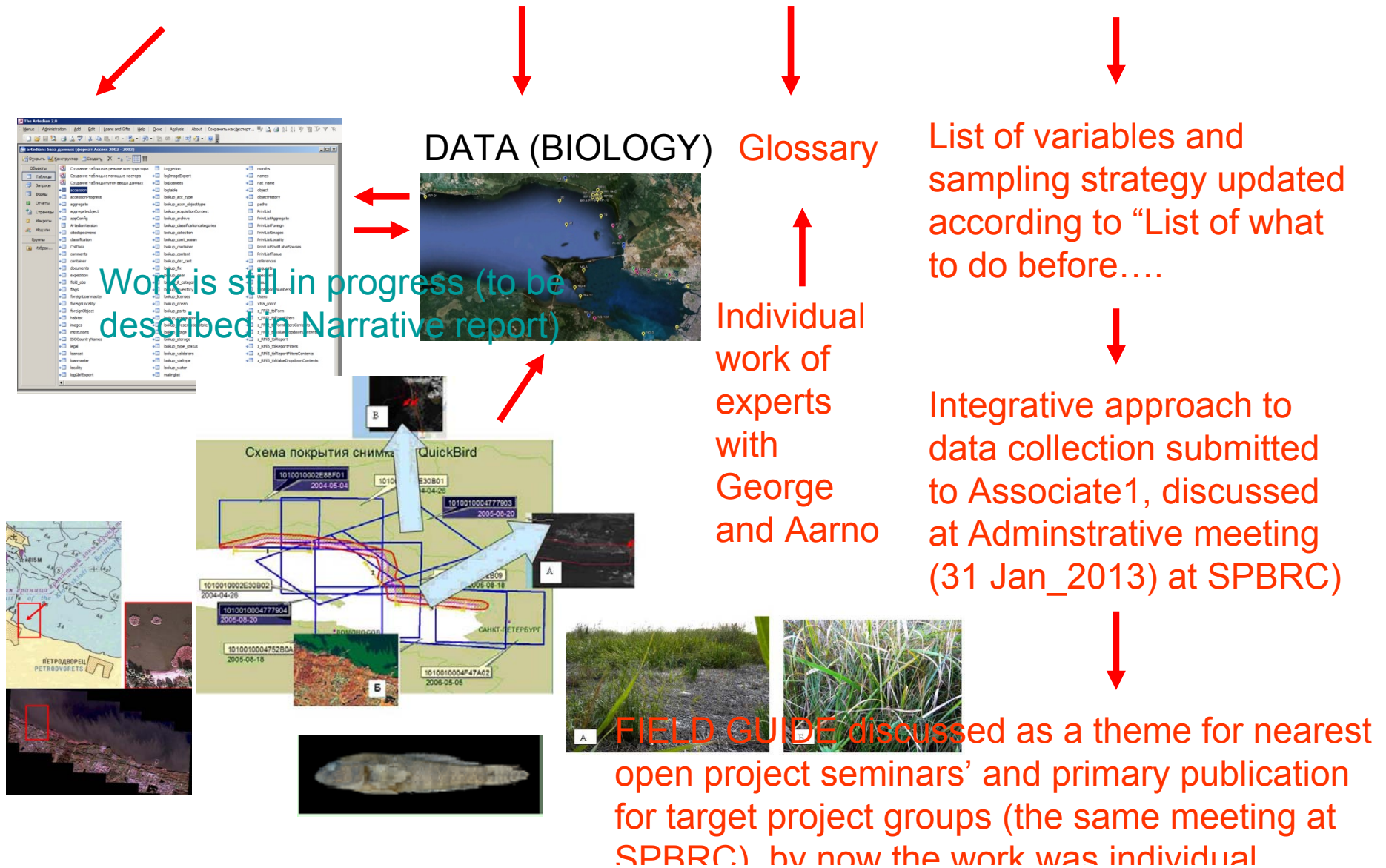
■ EU Member States
■ non-EU States



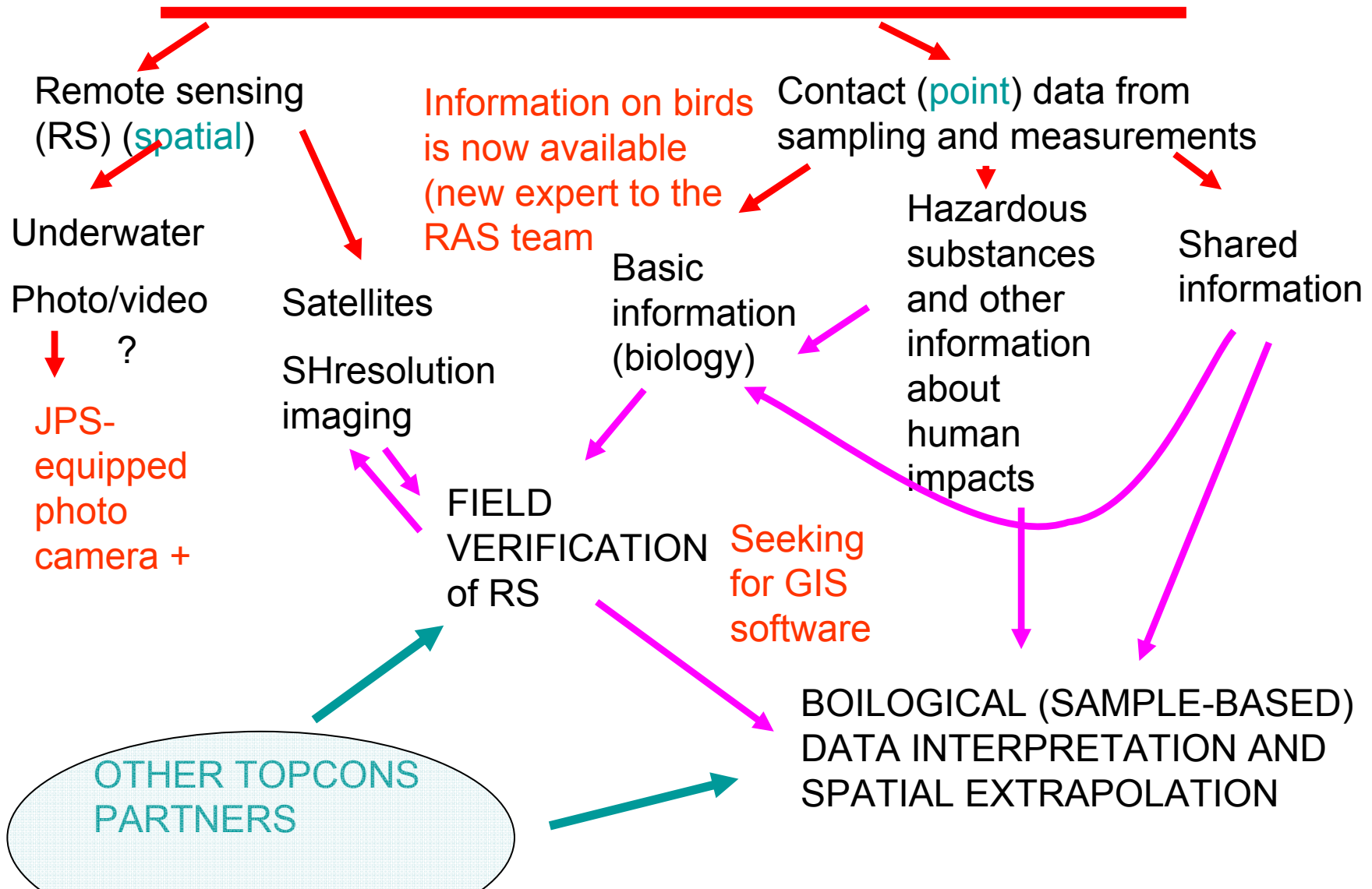
Research (as at 14-15 Nov presentation)



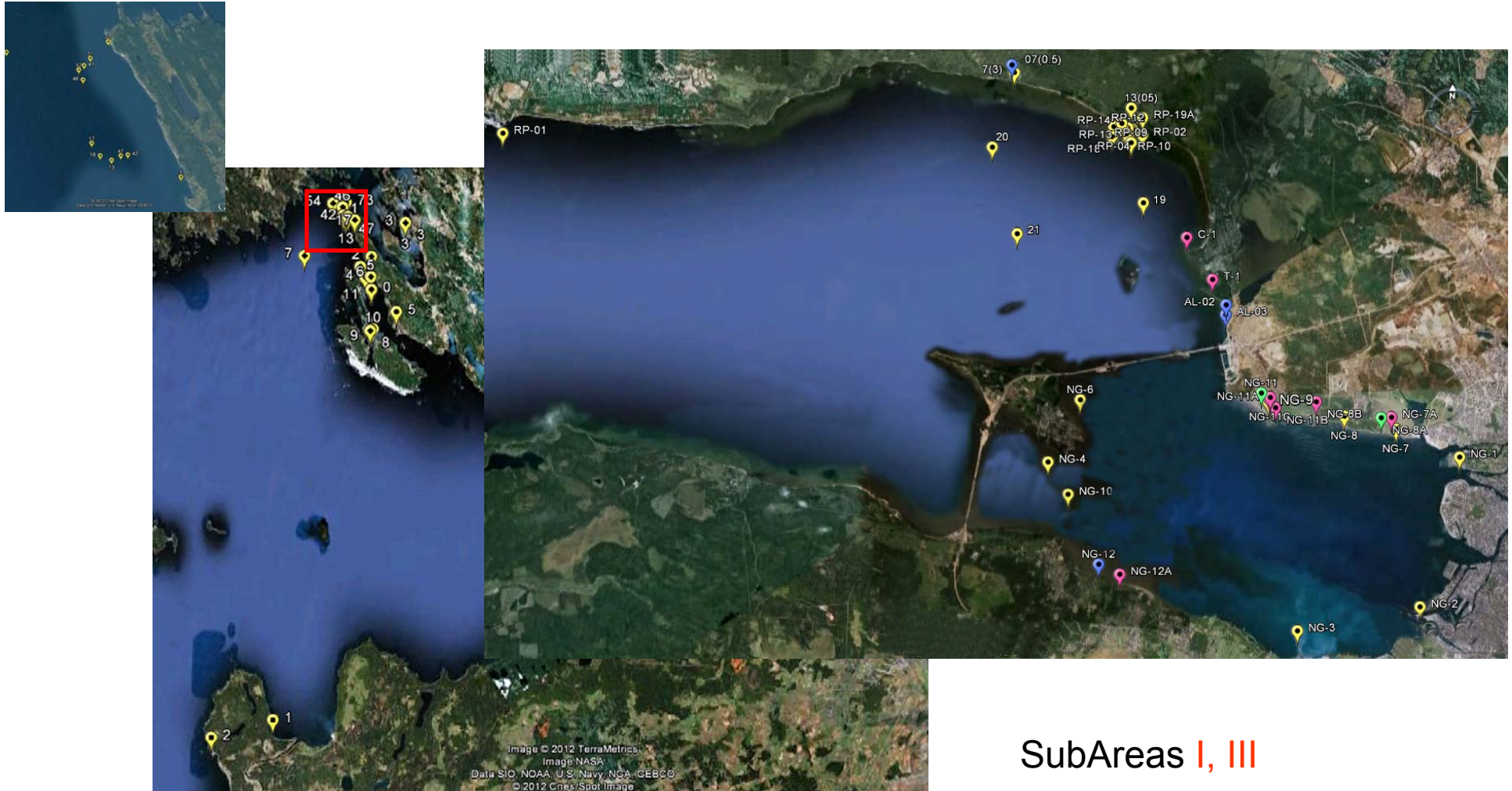
Research (by preparation of narrative report-2)



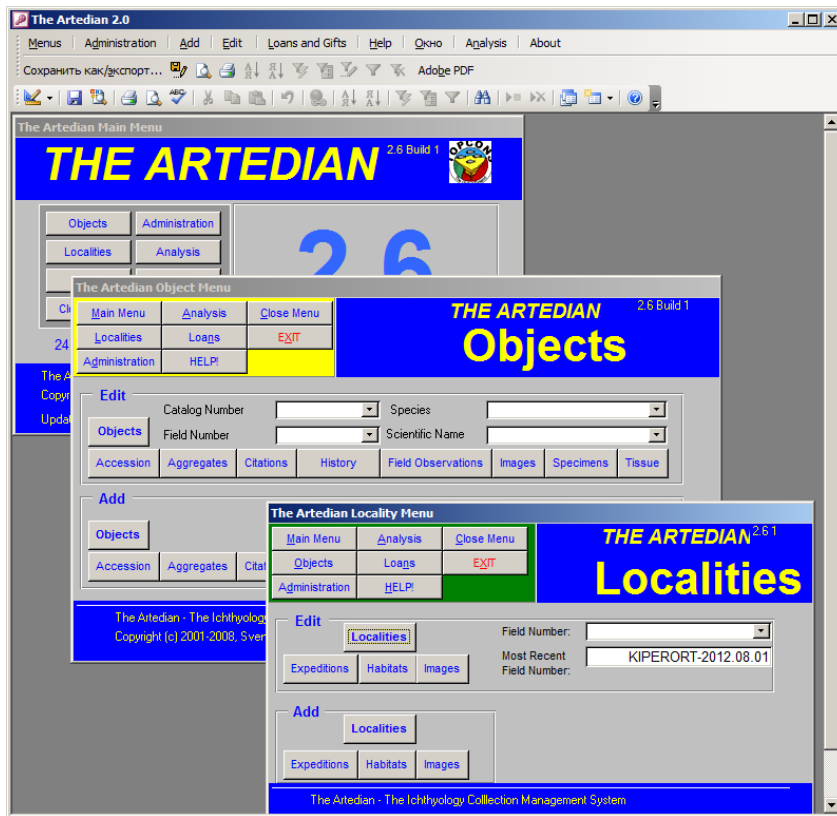
Variables/Data for integrative approach (file is available for revision)



Field 2012



SubAreas I, III



Objectives

The Arthedian is adapted for TOPCONS in order to cover requirements for collection, storage and management of the data described, as well as requirement to be compatible to geological data and modern GIS systems used for mapping and spatial planning.

Types of data, compatible to the Arthedian, [Ask Alexander more about Arthedian](#)

Data on living communities (available, collecting and expected to be collected) are diverse and they are often accompanied with data on environmental characteristics and human impacts (see SPBRC_Strategy fro field and environmental sampling file). It is expected that they will be also accompanied with diverse photo and videodocumentation, remote sensing information

Table of metadata for "Locality"

	Имя поля	Тип данных	Описание
	Locality_ID	Счетчик	Sequence Number
	Field_Number	Текстовый	Field Number/equivalent
	Access_Number	Текстовый	Link to Accession table
	Continent_ocean	Текстовый	Continent including shelf OR ocean
	Island	Текстовый	Major island or island group
	Country	Текстовый	Country
	Prov_State	Текстовый	State or Major political division
	District	Текстовый	Lesser political division
	Munic_County	Текстовый	Municipality, county or other local division
	Ocean	Текстовый	Supplements Continent_ocean for Marine records, e.g., on shelves
	WaterBody	Текстовый	Megadrainage, such as Baltic Sea Mediterranean Sea, Caspian Sea, Barents Sea
	RiverDrainage	Текстовый	Nearest 1st or 2nd order stream, e.g. Xingu,
	LakeBasin	Текстовый	Major lakes, mostly internal drainages, like Balkash, Tanganyika, Storsjön
	Locality	Текстовый	This is the interpreted locality
	StatedLocality	Текстовый	Data from labels, can be incorrect
	LatDD	Числовой	Decimal degrees, latitude
	LongDD	Числовой	Decimal degrees, longitude
	Lat_degrees	Числовой	Degrees minutes seconds, latitude degrees
	Lat_minutes	Числовой	Degrees minutes seconds, latitude minutes
	Lat_seconds	Числовой	Degrees minutes seconds, latitude seconds
	Lat_NS	Текстовый	Degrees minutes seconds, latitude direction
	Long_degrees	Числовой	Degrees minutes seconds, longitude degrees
	Long_minutes	Числовой	Degrees minutes seconds, longitude minutes

Taxonomical **core** of biological data(knowledge)base

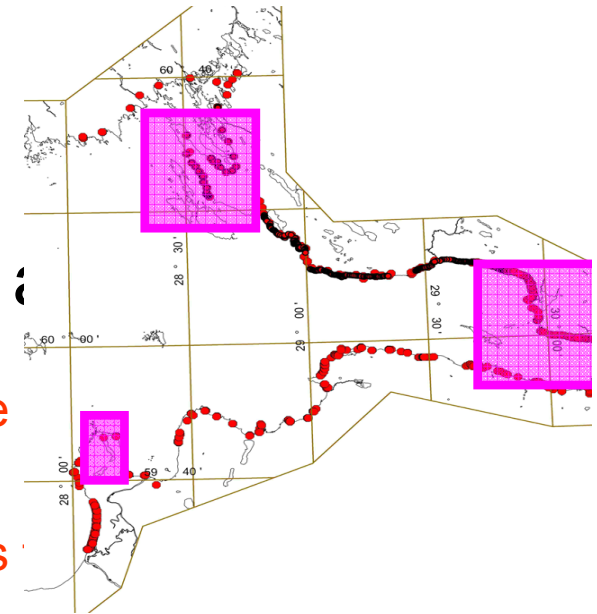
- Invertebrates
- Fishes
- Birds (only nesting are considered as indicators

for disturbances)

- Macroalgae
- Vascular plants
- **Vascular plants in terms of landscape formation**

With indication of occurrence each project subarea

With selection of key species modelling

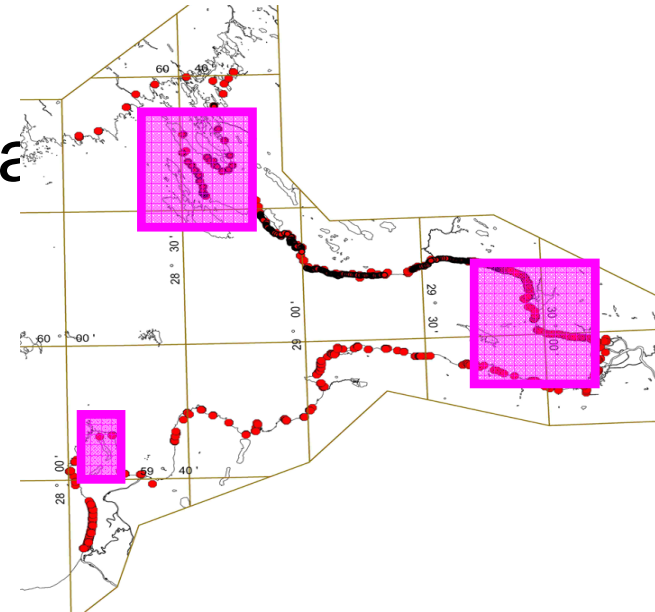


Ask Luba more about plants

Readiness of data for Data management with Arthedian

- Invertebrates
- Fishes (already in the DataBase)
- Hazardous substances
- Localities characteristics
- Seston
- Abiotic data
- Benthic invertebrates larvae
- Photodocumenting
- RS data

2012 year Data first



The best state - SubArea III

The worst – SubArea II

Ichthyological sampling 2012

Ask more Naseka A. Uspenskiy A.

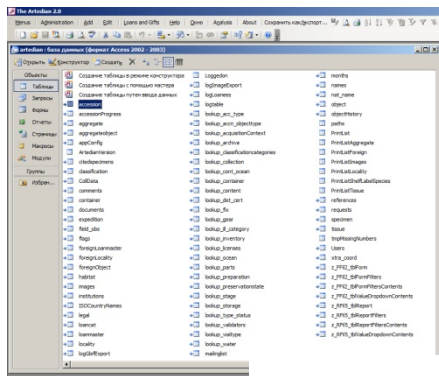
Methods

Results

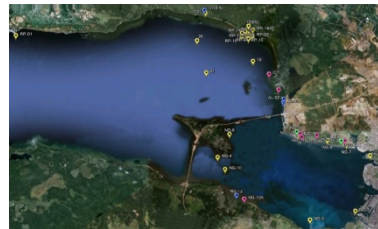
Conclusions

Research (by preparation of narrative report-2)

PUBLICATIONS



DATA (BIOLOGY)



Glossary

List of variables and sampling strategy updated according to "List of what to do before...."

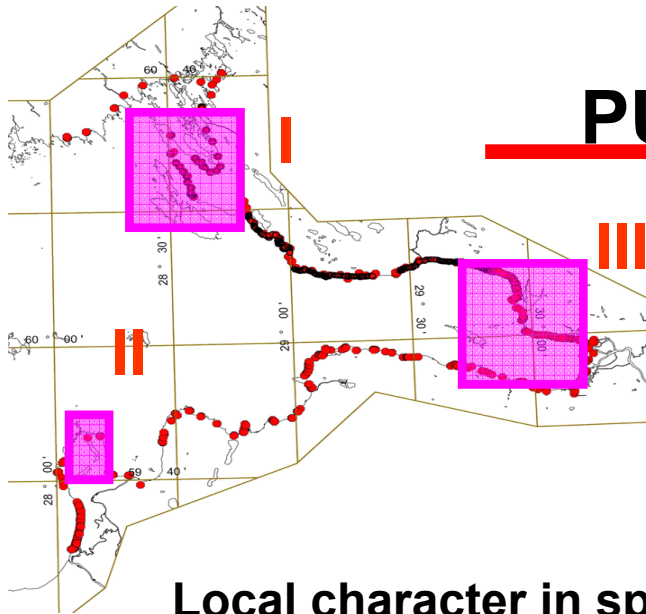
Individual work of experts with George and Aarno

Integrative approach to data collection submitted to Associate1, discussed at Administrative meeting (31 Jan_2013) at SPBRC)



FIELD GUIDE discussed as a topic for nearest open project seminars' topics (the same meeting at SPBRC)

PUBLICATIONS



SubArea III

Local character in spatial variation of abiotic factors of under-water landscapes and macrozoobenthos in coastal zone of the northern part of the eastern Gulf of Finland

***M.Orlova*¹⁾, *D. Ryabchuk*²⁾, *V. Zhamoida*²⁾, *I. Neevin*²⁾, *A. Sergeev*²⁾, *N. Kovaltchouk*³⁾**

1)ЗИН РАН

2)ВСЕГЕИ

3)БИН РАН

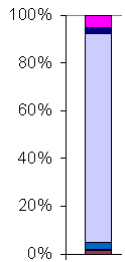
RAS team

Submitted to:
“Regional ecology”
(in Russian)

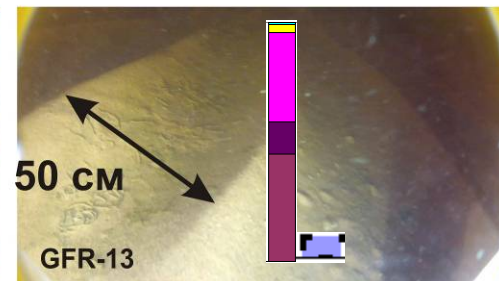
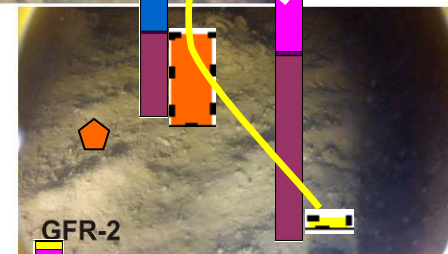
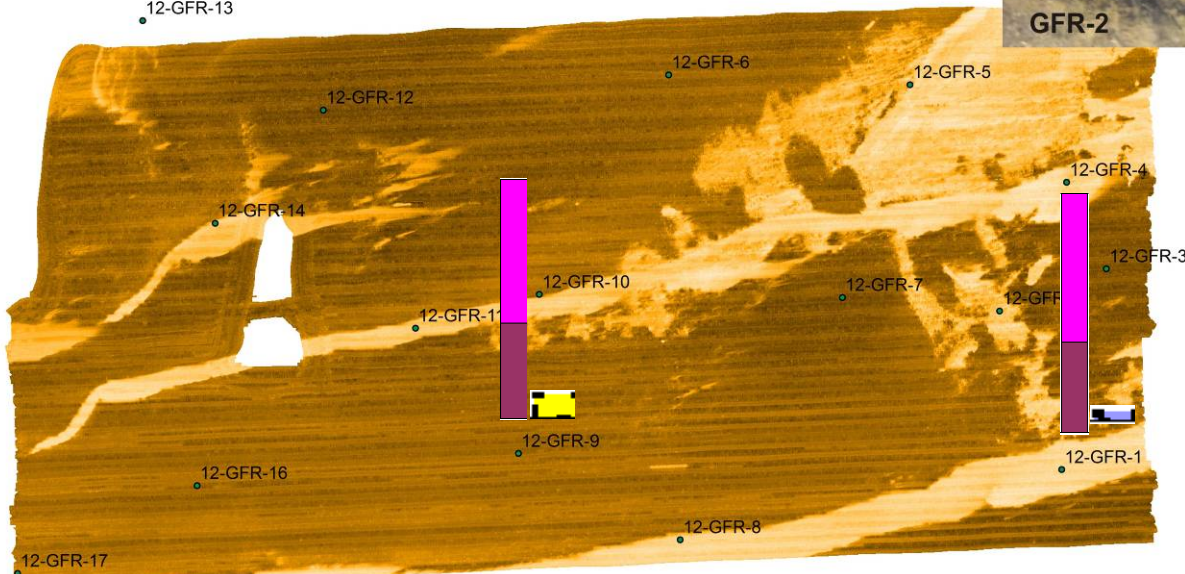
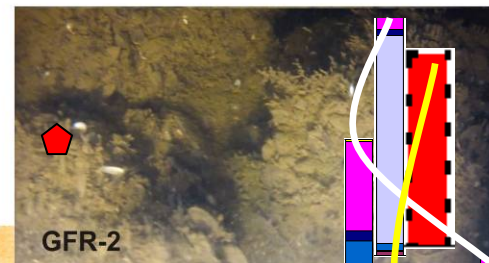
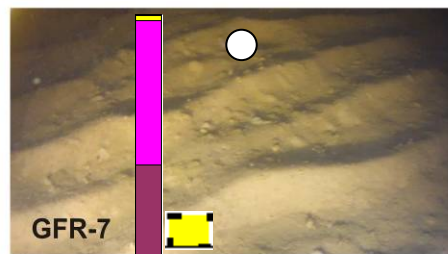
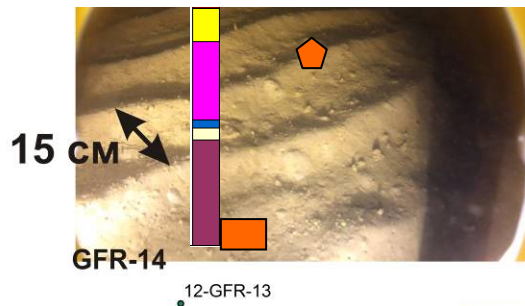
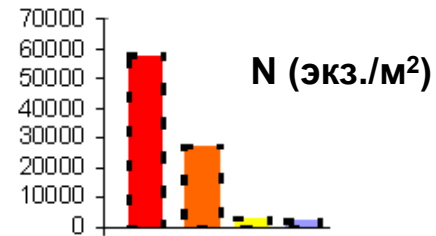
The papers contains the description of the results from local character investigations in underwater landscapes of the eastern Gulf of Finland that have been carries out by means of combination of remote and standard methods of investigations of benthic compartment of an ecosystem. There have been revealed significant partitioning of the relief in the area studied, constant (static) and dymanic elements of the relief in meso- and microscale, including those unknown before; there have been hypothesized the role of multiply spatial ecotones specified by geological processes in the formation of biotic components of underwater landscape.

Key words: *structure and dynamics of benthic biotopes, ecotones, sea floor relief, bottom sediments, benthic assemblages of living organisms, diversity, equitability, biotopic adjacency and adjacency effects*

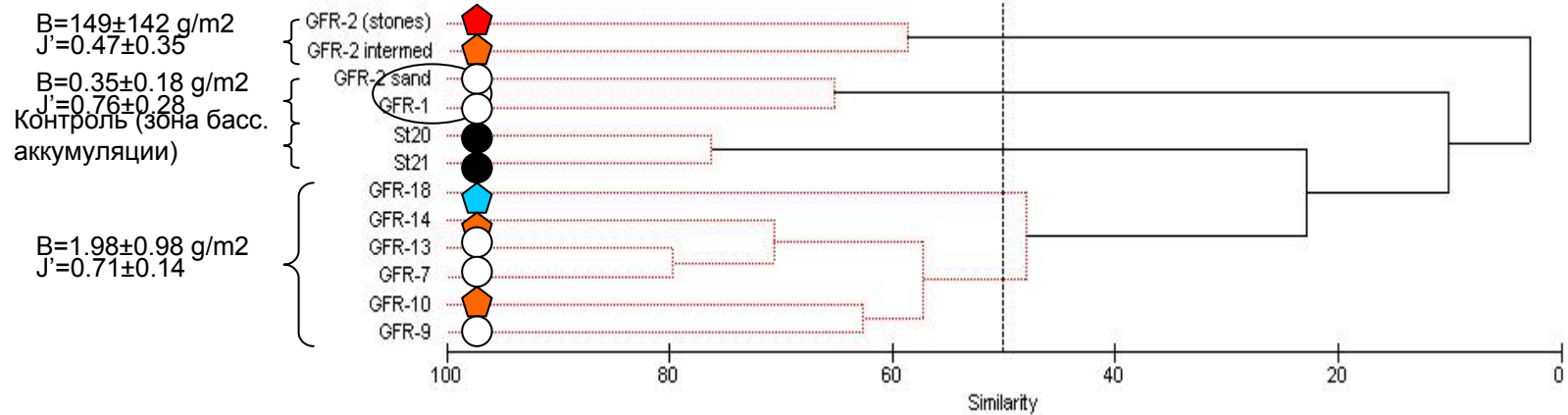
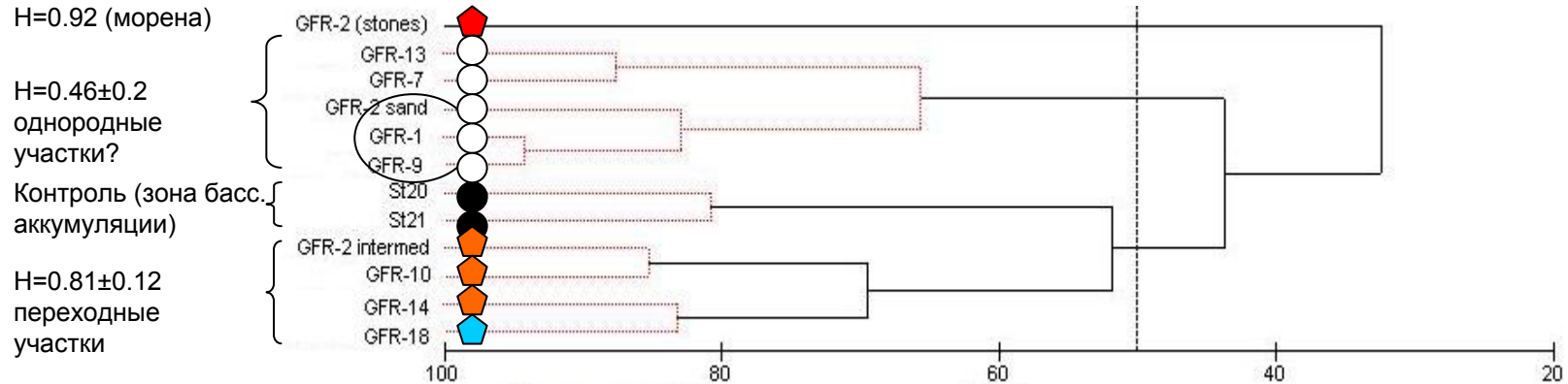
Основные таксоны, формирующие биомассу (%)



- Bivalvia, D. polymorpha
- Gastropoda
- Bivalvia, other than D. polymorpha
- Oligochaeta
- Chironomidae total
- Ceratopogonidae



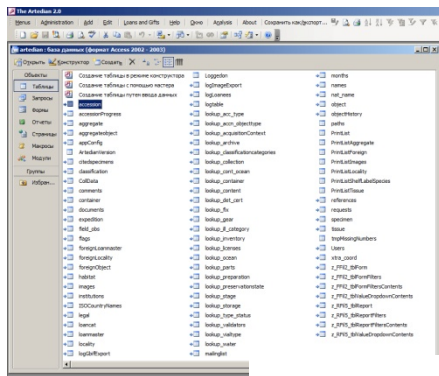
- Контрольные станции (20 и 21), расположенные в зоне бассейновой аккумуляции
- ◆ Станции, расположенные в зоне выхода морены
- ◆ Станции, расположенные на переходных участках полигона



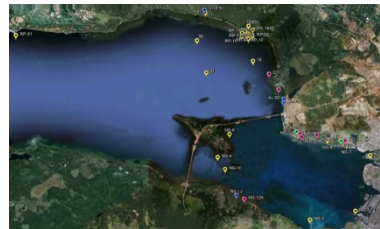
- ◆ Наиболее глубоководные станции
- Станции, расположенные на однородных участках ложбин и песчаных равнин

Research (by preparation of narrative report-2)

PUBLICATIONS



DATA (BIOLOGY)

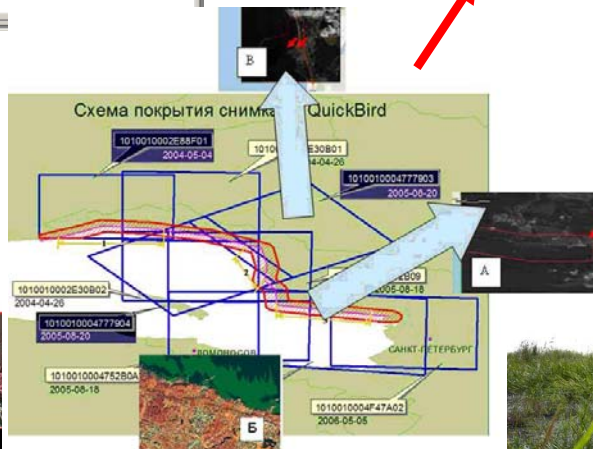


Glossary

List of variables and sampling strategy updated according to "List of what to do before...."

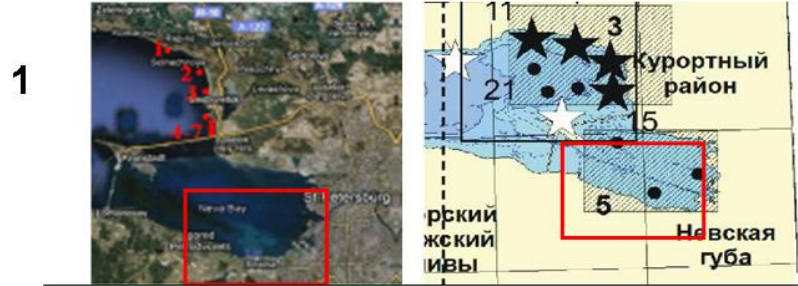
Individual work of experts with George and Aarno

Integrative approach – spatial data verification - GIS software selection



FIELD GUIDE discussed as a topic for nearest open project seminars' topics (the same meeting at SPBRC)

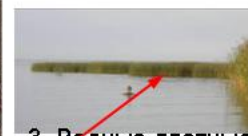
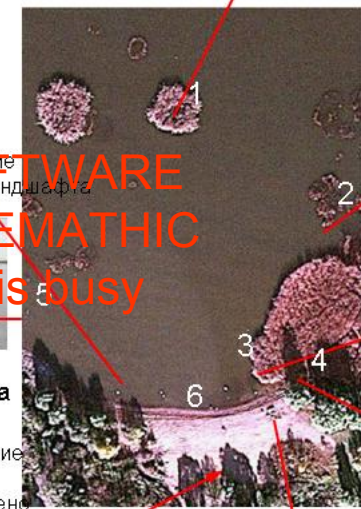
Use for field planning and aquatic plant associations mapping (one of examples)



Заказан снимок

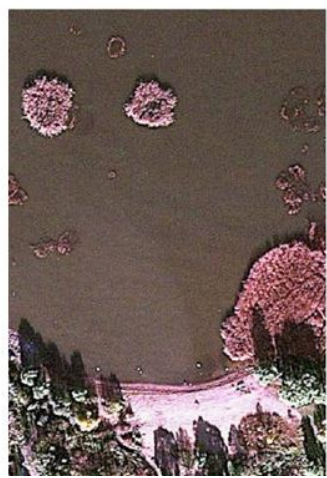


SEEKING FOR GIS SOFTWARE FOR AUTOMATIC/HEMATIC DECODING (Volunteer is busy with)



2

Выбран участок и набор однородных элементов ландшафта для расшифровки



Береговая и прибрежная растительность

Use (sorry for language)



Planning 2013 year events, where SPBRC could be a host

March. Steering group meeting?

Discussion on taxonomy?

Special microsession for Associates (they have interest to Integrative/intredisciplinary approach/basis to....)

Excursions to Zoological institute?

November (instead of September)

iV Project Seminar (for stakeholders and other target groups) tentatively entitled as “«Научные основы природопользования: задачи, проблемы, перспективы» ?

Subsequent publication of seminar materials (Journal “Regional ecology”, special issue)

Preceding publication of TOPCONS booklet?

Now:
negotiation
about
reservation
of
academic
funds, if it
will be
settled with
other
partners

By Minutes of SPBRC RAS TOPCONS
executive C-tee meeting , 31 January, 2013

Summary (nearest done):

- Post WS-2 meeting in St.-Petersburg (verification of partial (RAS) action plan according to WS-2 decisions)
- Administrative meeting in SPBRC (Executive C-tee of TOPCONS project)
- Communications to Associates and candidates to Steering Group
- Biological samples and hazardous substances treatment
- Continuing of work under Arthedian taxonomical background
- Continuing with RS and “point” data collation and decoding (seek for appropriate software for automatic decoding)
- Paper submitted
- Webpage (rus, for public) content
- Discussion and suggestions for Decision makers’ and other TOPCONS seminars in St-Petersburg – role of RAS????

BYPRODUCT: it seems we are to think about further development of the project (TOPCONS_FAMILY???)

Thank you!

