Argo Information Centre

jcommops

Deployment Strategies

Global Approach and Innovation

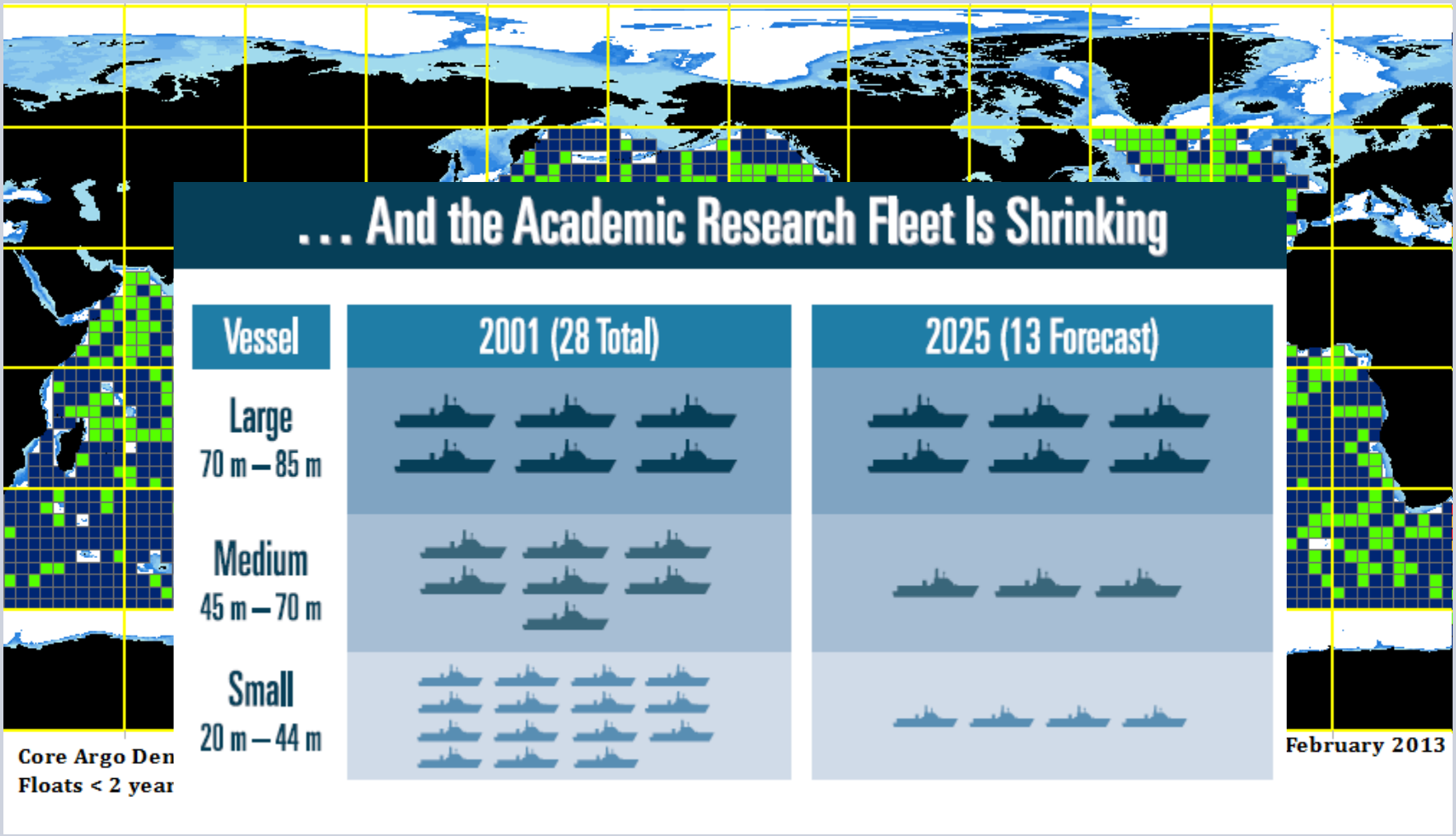
JCOMMOPS coordinators M. Belbeoch and M. Kramp

AST#14

March 2013, Wellington

Density and deployments

- **We have recurrent global and regional gaps.**



New Ship Coordinator at JCOMMOPS: Martin Kramp

The activities of the Ship Coordinator will be balanced between:

- **Technical coordination for the SOT and GO-SHIP initiative**
- **General Ship-time service and cruise information management**
- **Cross-sector JCOMMOPS tasks (cooperation, training, communication)**

Submit your needs to Martin: mkramp@jcommops.org, +33 561 394 782

- **How many units to be deployed?**
- **Where?**
- **When?**
- **Available funding?**

Martin will try to find the best solutions for your needs.

Opportunities, Research Vessels and Charters

Successful Pilot Projects

Several successful deployment projects with the sailing community have been organized by JCOMMOPS over the last 12 months.

- **Lady Amber, the 20m South-African schooner chartered through JCOMMOPS, already deployed more than 100 instruments in the Indian and Atlantic Ocean.**

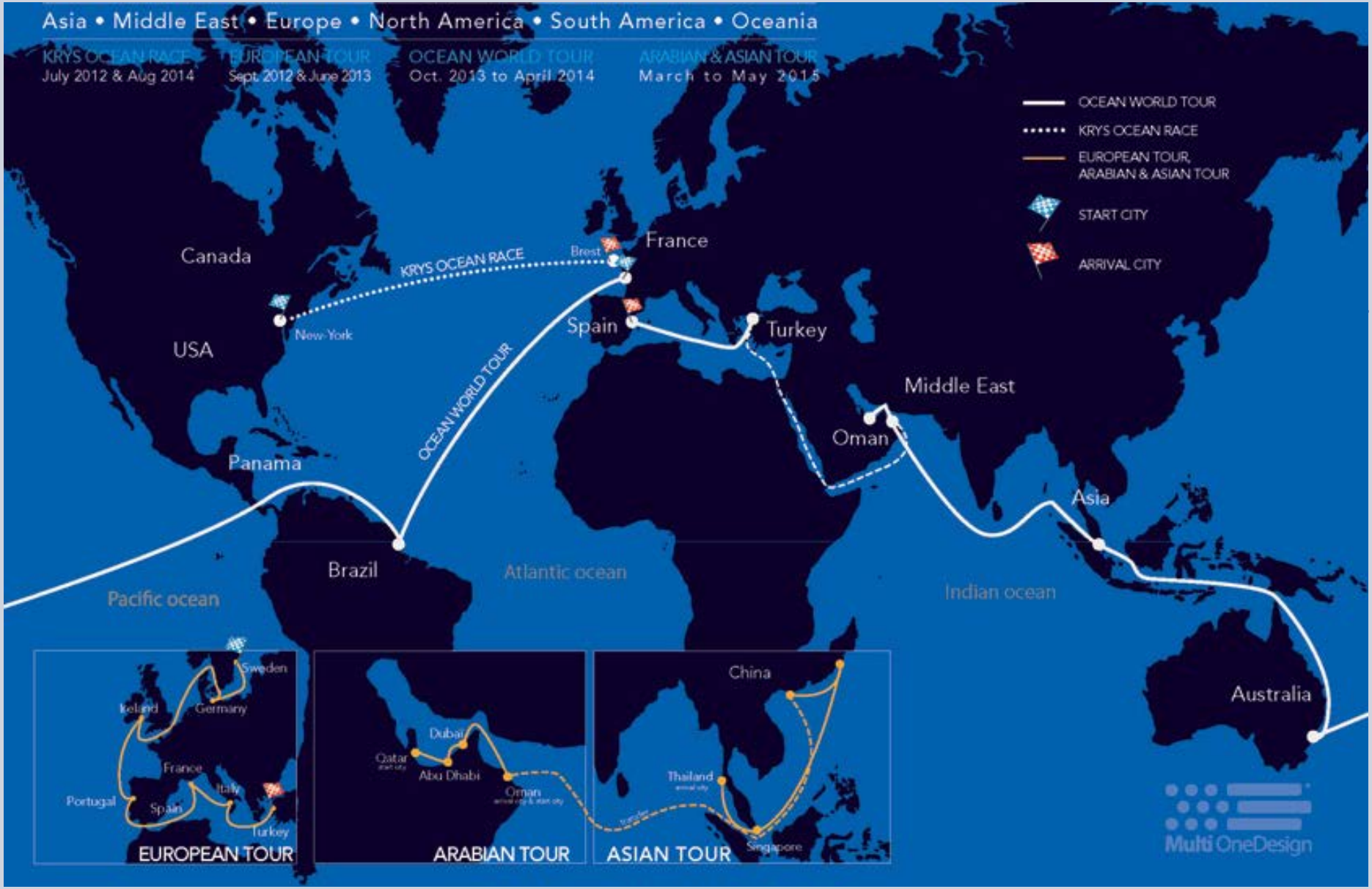
- **Lady Amber will be ready for new mission (Indian Ocean ?) in a few weeks**

Successful Pilot Projects

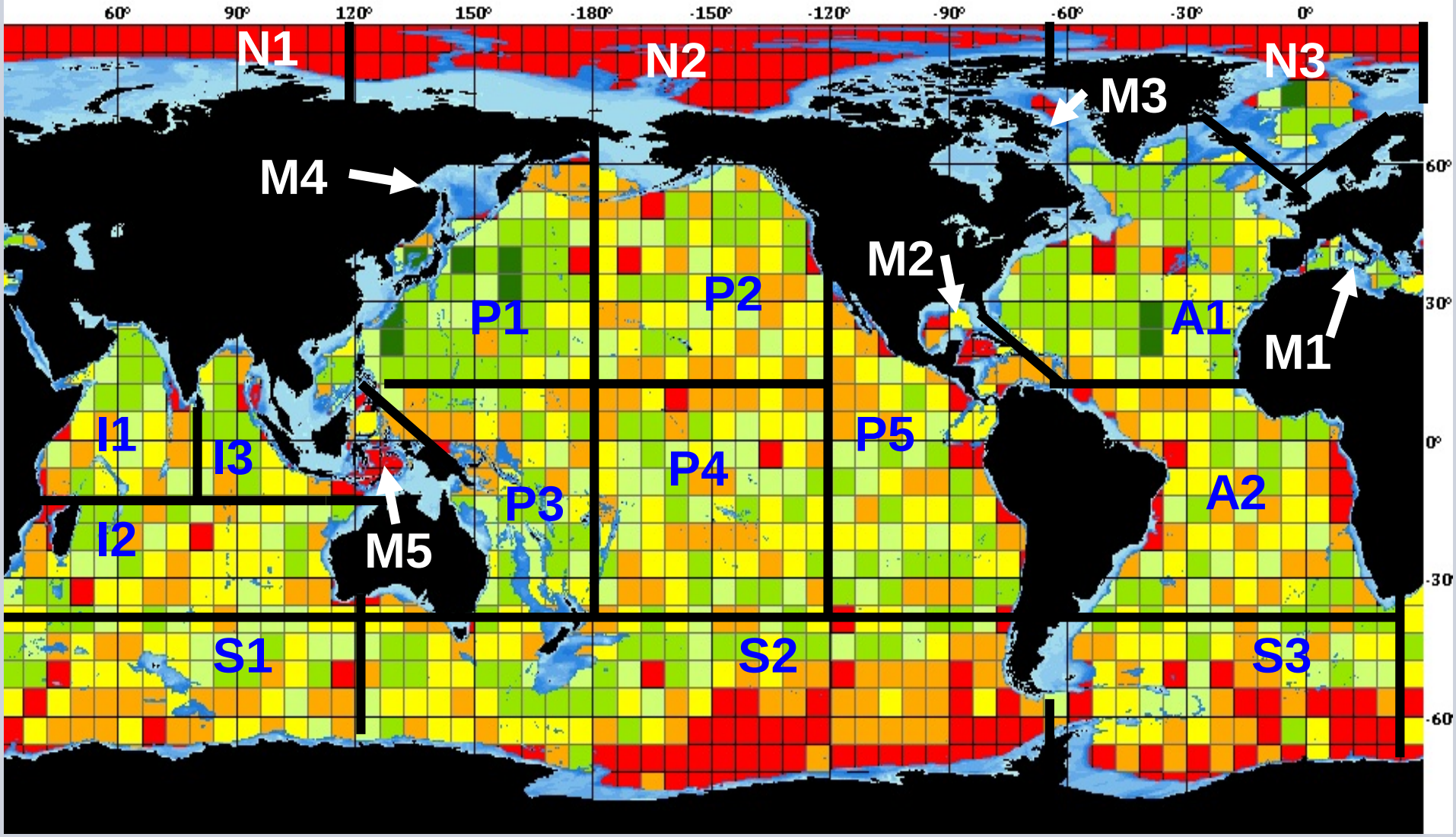
Several successful deployment projects with the sailing community have been organized by JCOMMOPS over the last 12 months.

- **In partnership with the French NGO Voiles Sans Frontières, 12 floats were deployed in the Atlantic Ocean last season and at least 15 are previewed by the end of the year.**

Successful Pilot Projects



ORGANISATION OF AREAS OF DEPLOYMENT



Different Vessels for different Regions

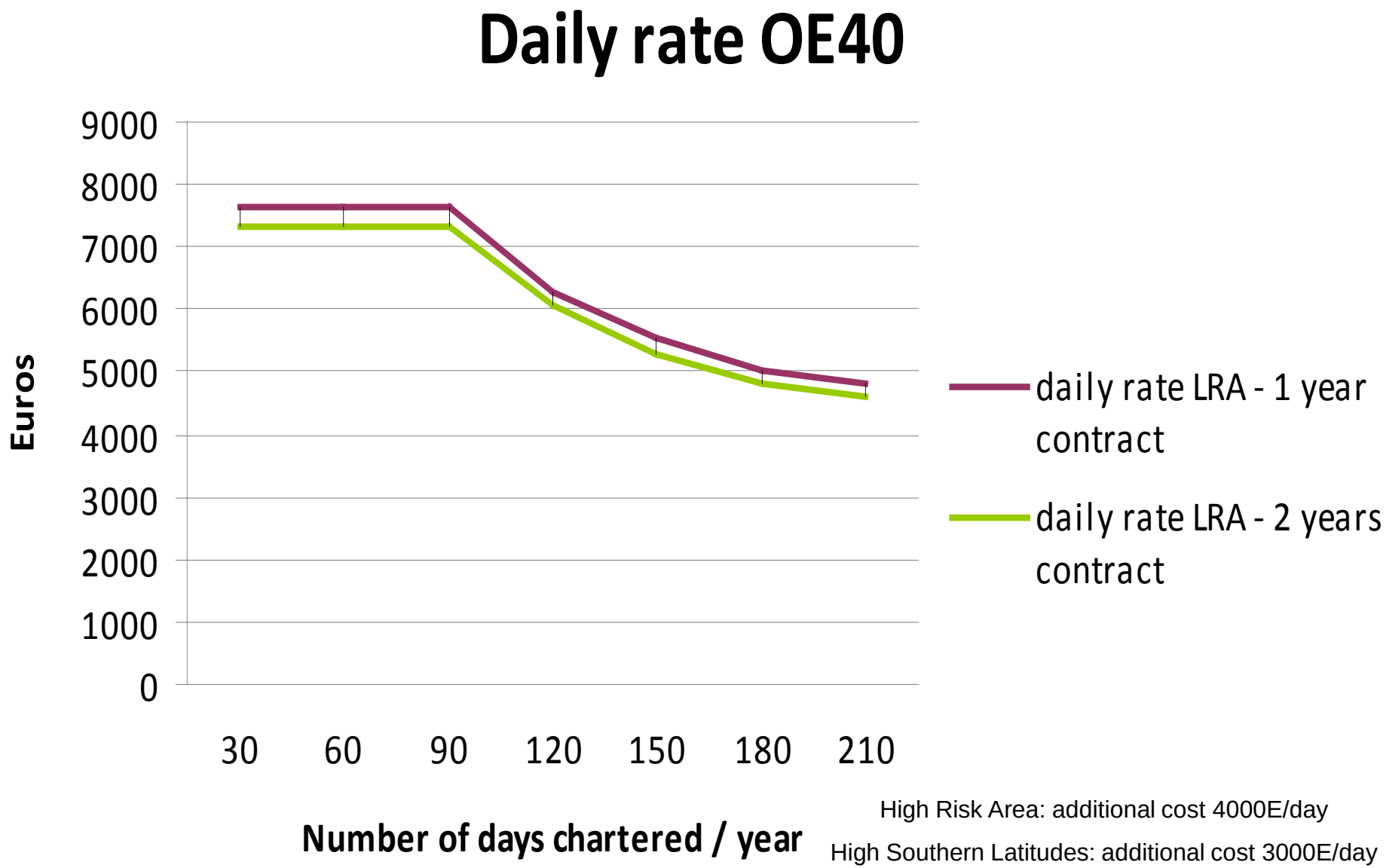
Three different vessel types were chosen for the global charter approach, with the payload correctly assured.

- **A polar vessel would operate in the northern polar areas. Details TBD.**

- **An innovative fast multirole vessel would operate in risky areas or requiring huge amounts of floats.**

- **Several sailing vessels would operate in non-piracy areas.**

Details OE40



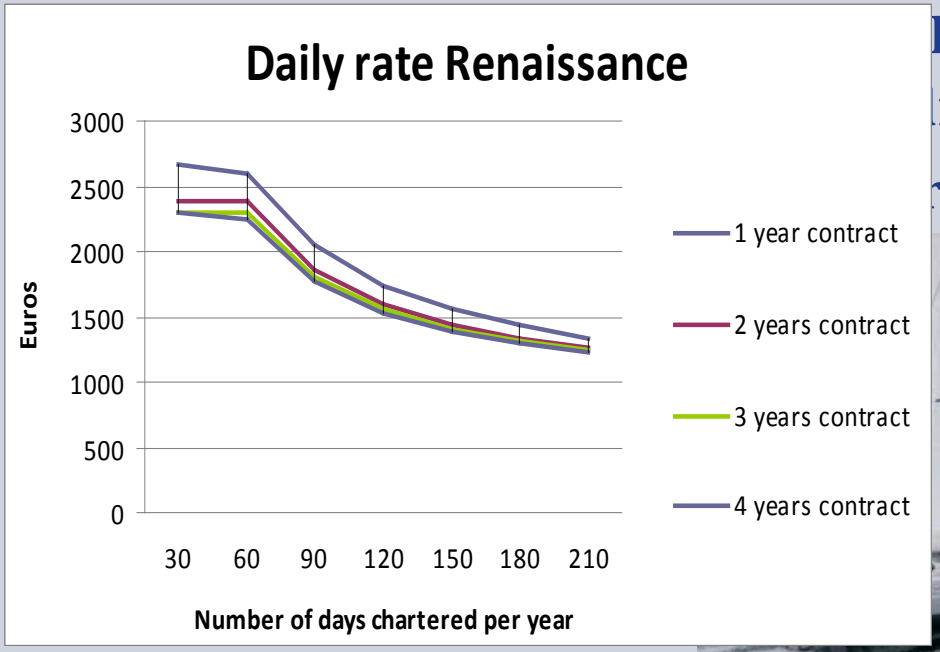
High Risk Area: additional cost 4000E/day

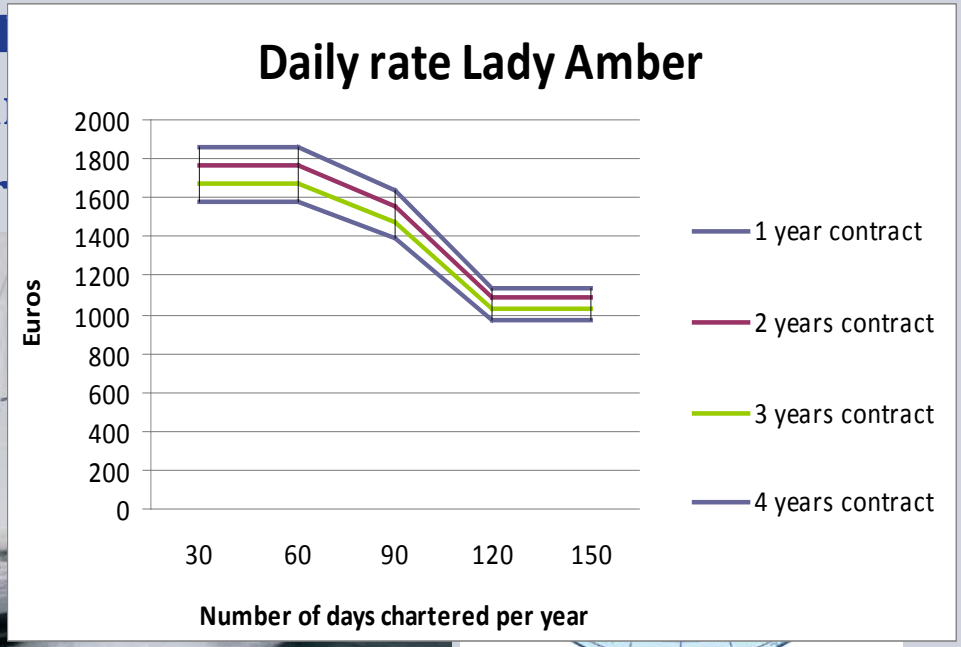
High Southern Latitudes: additional cost 3000E/day

Details Sailing Vessels

Further professional sailing vessels are ready to sail, following the Lady Amber concept. They could store between 1 and 2 tons of equipment.

- **Traditional sailing vessels could operate in less complicated areas, at rather low daily rates – combined with low speed.**



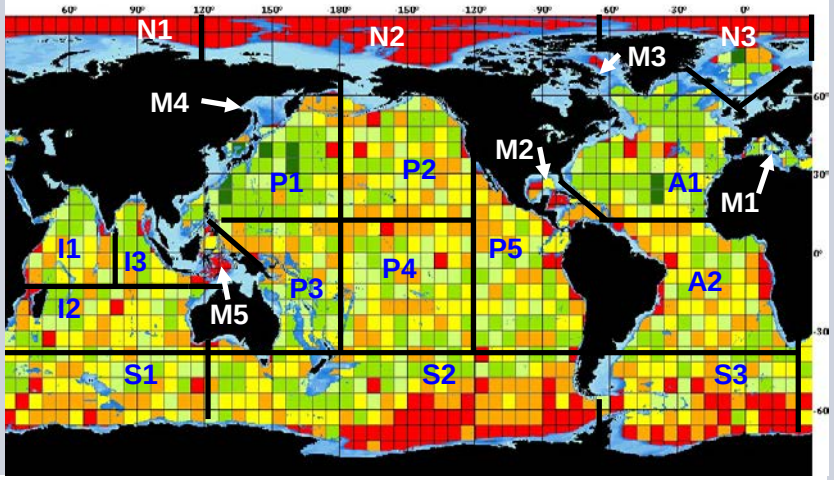


Overview Worldwide Deployment Strategy

JCOMMOPS proposes to manage the best possible composition of all described vessels.

- **If all players across borders, programs and panels within JCOMM act together, everybody wins!**

ORGANISATION OF AREAS OF DEPLOYMENT



	Professional charter		Opportunities							
	Motor vessels	Sailing vessels	Pleasure sailing associations	Professional Ocean Races	Nonprofessional Ocean Rallies	Records	Deliveries	Tour organizers	WOC	R/Vs
Primary target zones	N1, N2, N3, I1,	A2, I2, P5, M2, S1, S2, S3	A1, A2, M1, M2	A1, A2, S1, S2, S3	A2, I2, M2, P3, P4, P5	A1, A2, S1, S2, S3	A1	A1, A2, M1, M2, S1, S2,	TBD	TBD
Secondary target zones	S1, S2, S3, M3, M4	A1, I3, P1, P2, P3, P4, M1	P2, P4, P5, M3	I2, P1, P3, P4, M1	A1	P2, P5	A2, P5		TBD	TBD
Estimated yearly min. capacity	300	150	50	20	20	3	20	20	TBD	TBD
Daily rates	3 - 9 k€	1 - 3 k€	free	free	free	free	free	free	free	TBD
Media potential	low	medium	low	high	low	high	low	low	low	low
Education	low	medium	low	high	low	medium	low	low	low	low
Embarkment possibilities	7	1	none	none	none	none	1	1	TBD	TBD
Logistic complexity	low	low	high	medium	high	low	medium	low	TBD	TBD

Cruise Information Centre

The implementation of such a strategy requires all relevant data, from both vessel AND float operators, in a central data base, several months before the mission.

- **JCOMMOPS is working on the design of such a system.**
- **All necessary metadata will be gathered here, about the ships, their routes and capacities.**
- **Operators will be able to add their data through a user-friendly GUI.**
- **The JCOMMOPS ship coordinator will act proactively to collect missing information and to close gaps.**
- **Based on requests by operators, JCOMMOPS will cumulate as many synergies and actors as possible to make cost-effective proposals.**
- **This system is one of the new elements of the new JCOMMOPS Information System. A prototype is previewed for June.**

Conclusion and Outlook

Deployment activities must be reorganized at a global scale. Soon.

- **It will be more and more difficult to deroute research vessels for float deployments, due to extremely high daily rates and budget cuts.**
- **Opportunity vessels are far from well-exploited, but more pro-active recruiting activities are necessary – and quantities remain limited.**
- **For dedicated deployment missions, adequate and cost-effective charter vessels for cooperative cross-program operations must be identified and managed by a "neutral" focal point.**
- **JCOMMOPS has now all the capacities and contacts to handle the overall management of global and substantial deployment missions.**
- **And exploit communication potential to promote and "humanize" the GOOS and Argo in particular**

→ Ask JCOMMOPS support !