

The future of the ITTC, how to make the work  
between the conferences more fast,  
efficient and flexible.  
How can a modern ITTC look like?

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The future of the ITTC, how to make the work between the conferences more fast, efficient and flexible.

How can a modern ITTC look like?

- Why ITTC cannot stay unchanged?
- Does ITTC need more speed, efficiency and flexibility?
- What and how can be improved?

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## Why ITTC cannot stay unchanged?

- ITTC wants to keep its position and continue ‘giving advice and information regarding the performance, safety and environmental impact of ships and marine installations using the results of physical model tests, numerical modelling and full-scale measurements’.
- The external world changes therefore to keep the above position we have to notice it, understand and learn to react appropriately.
- Making decisions once per three years may appear too sporadic to maintain traditional ITTC position.

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## **Does ITTC need more speed, efficiency and flexibility?**

- Undoubtedly yes. The story of EEDI proves it.
- The scope of ITTC activity is determined by economy, safety and environmental impact of marine transport and marine resources exploration. Exactly the environmental impact has become a political-societal issue and the most often the rules governing it have nothing in common with physics – this does not fit to seven aims of ITTC (see article 2 of ITTC rules)
- Energy efficiency, energy saving, noise & vibrations reduction, surface coatings impact, emission control areas – they are now governed both by physics and politics. Physics may wait politics often not.

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## **What and how can be improved?**

The hints can be found in the world we explore:

- Became four-stroke instead of two-stroke when necessary – become flexible.
- Allow unconventional: controllable or even hybrid propulsion – became faster.
- Accept the increase of resistance when sailing against waves and learn how to overcome it – became more efficient.
- However keep in mind that successful marine transport needs a wise captain and good crew.

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## What and how can be improved?

- First of all ITTC members have to realize that their organisation is from now conditioned by technical **and** political circumstances.
- All existing Committees explore mostly technical issues. Political (societal) ones serve as something secondary - it seems reasonable to establish a (permanent) group focusing on trends and changes in legislation, potentially influencing ITTC position and activity.
- Accept that certain (non-physical but legislative) circumstances may require on time ITTC reaction that cannot be decided once per three years.

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## **What and how can be improved?**

- Develop the efficient and clear way of communication.
- Develop framework terms of reference for the period between the conferences – when sometimes certain decisions have to be made – to protect ITTC position.
- Accept that the work of certain technical committees (e.g. Performance of ships in service) may require different rhythm than ITTC triennial cycle.
- Create a web based discussion forum enabling exchange of information important for ITTC future – from legislative point of view.