

## Greening toolkit, what's next?

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The greening toolkit shows robust greening technologies and their return on investment as well as potential emission reductions. This allows ship and vessel owners to explore how they can make their ship compliant with future emission regulations. At the same time, the tool allows producers to showcase their greening technologies and policy makers to gain insight about the cost of greening options for different vessel types and operations.

### Development of the database with greening info

This tool was further developed by CRUP in the fourth quarter of 2015 and the first quarter of 2016. It allows for easy adaptations via the back-end (no need for hard coding) which makes it easy to maintain the data efficiently and react to rapid changes, so that the information remains accurate. We can easily edit parameters (such as pricing) without specialist IT support and also add new greening options when they become available. Currently, we are also translating the tool into different languages. This is a crucial step for bringing actual developments closer to end users

### Dissemination

- ❑ The Greening Tool is available at <http://greeningtool.eicb.eu>.
- ❑ We promote the Greening Tool through social media.
- ❑ We developed a multilingual tutorial (subtitles French, German) to understand how the tool works.
- ❑ We are embedding the tutorial on a variety of websites.
- ❑ We position it among other useful tools provided by EICB:
  - ❑ Total Costs of Ownership (TCO) of LNG and suitability test to sail on LNG
  - ❑ Econaut (CO2 calculator)
  - ❑ i-Steer app (Prominent, forthcoming)
  - ❑ Promotion campaign in newsletters, EIBIP regional deployment.

### Monitoring

- ❑ The tool is hosted by EICB which gives us options for monitoring (how is it used, which greening options are most popular in which countries, etc.).
- ❑ Google Analytics
- ❑ Identify the origin of the visits
- ❑ The insights about how visitors use the tool can be used for fact based policy making.
- ❑ For further improvement, i-Steer application
- ❑ Possibility to see quantitative conversion e.g. most popular greening options per vessel type.

### Next steps

- ❑ We need to update the parameters periodically – together with CRUP.
  - We will use expertise from Prominent to evaluate certain parameters.
  - We collect information from European Inland Barging Innovation Platform (EIBIP) – and use it as a dissemination channel.
  - A link with the EIBIP funding database is possible.
- ❑ Community building and awareness.
- ❑ Demonstrate the tool at EICB events (April, May 2016).

## Question & Answers

**Q: Did you discuss with banks? The tool shows information on the return on Investment. Does that help entrepreneurs to get loans?**

A: There is a disclaimer. The tool is for awareness-raising and we cannot be held responsible for any inaccuracies. But for LNG we have the Total Cost of Ownership and that might help to get more buy-in from banks. The accuracy has not been the main aim of the tool, because that would require a more robust validation of the data. So the tool is a mix between user-friendly awareness-raising tool and an argument to convince banks to give you loans (to a certain extent).

**Q: The greening tool is useful but how can we use it to address financial issues but also regulatory issues?**

A: It is possible to download the results of a specific greening option for your vessel. You can use this in negotiations with banks. You can also get updates (e.g. when specific situation changes).

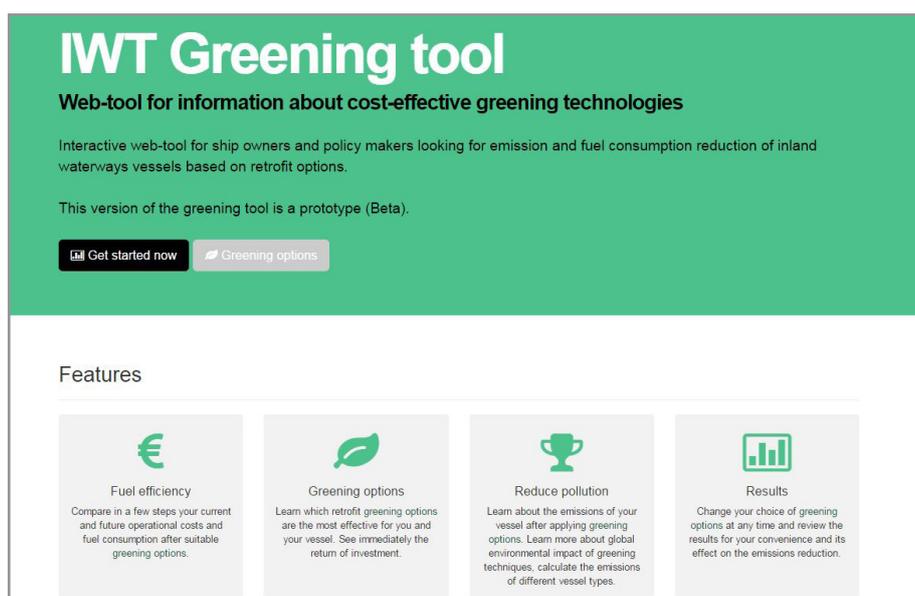
A: Henk Eric Sierink (Ministry NL): We did the best we could with limited means to promote innovation take-up. A practical tool was considered as a priority to stimulate industry to make better use of innovations in the market. It gives information for specific business cases. The tool is flexible and can be fed with better data as soon as new data is available. Operators can also put their own data into the tool to obtain more specific results.

The tool is also useful for regulators. It helps them to consciously plan greening policies for the next 20 years based on existing greening options. Regulations should create a stable investment climate as that co-determines the return on investment for vessel owners. We need to scale up (also on European level) and create a sense of urgency. This toolkit should go further than Platina and continue to be developed in Innovation Labs.

**Q: Energy prices go up and down. Just have a look at the oil prices at the moment. How does the greening tool take this into account?**

A: It is indeed difficult to make business decisions due to changing market prices. However, it is possible to create worst and best case scenarios and consider the greening options against that background. This helps you to make the right decisions.

**Website link :** <http://greeningtool.naiades.info/>



**IWT Greening tool**  
**Web-tool for information about cost-effective greening technologies**

Interactive web-tool for ship owners and policy makers looking for emission and fuel consumption reduction of inland waterways vessels based on retrofit options.

This version of the greening tool is a prototype (Beta).

[Get started now](#) [Greening options](#)

### Features

- Fuel efficiency**  
Compare in a few steps your current and future operational costs and fuel consumption after suitable greening options.
- Greening options**  
Learn which retrofit greening options are the most effective for you and your vessel. See immediately the return of investment.
- Reduce pollution**  
Learn about the emissions of your vessel after applying greening options. Learn more about global environmental impact of greening techniques, calculate the emissions of different vessel types.
- Results**  
Change your choice of greening options at any time and review the results for your convenience and its effect on the emissions reduction.