

Collaborative & Reliable Synchromodal Planning

SmartPort Lunch Meeting

Alberto Giudici

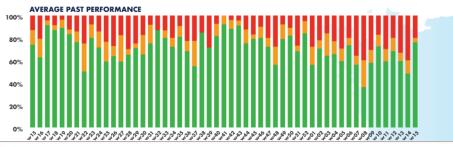
RSM Erasmus University Rotterdam

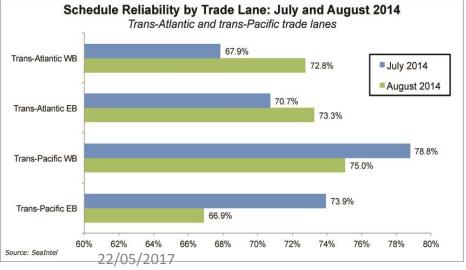
May 23rd, 2017

Reliability

Trends and results of last week









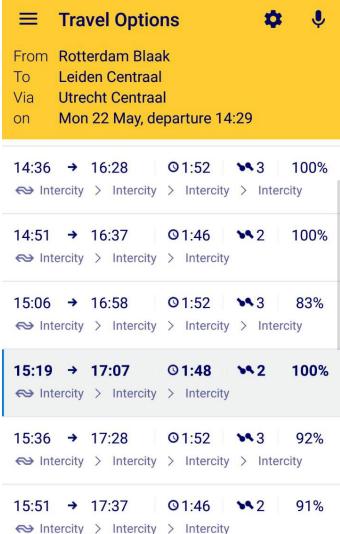
Vertrektijden

Amsterdam Centraal

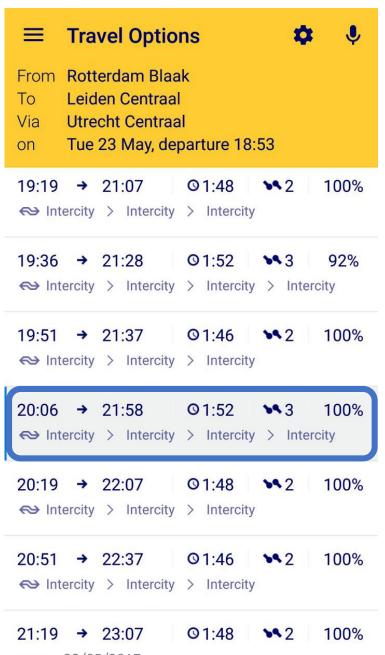
Dit station standaard tonen

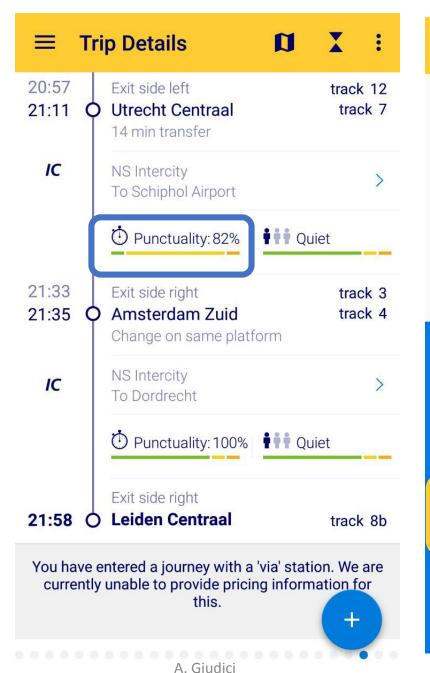
tijd +	naar	sp	<u>vertragingskans</u>
14:22	Rotterdam C.	14b	14.5%
14:23	<u>Zwolle</u>	10b	6 %
14:24	<u>Alkmaar</u>	8	14.9%
14:25	Nijmegen	4b	9.9%
14:26	Zandvoort a Zee	11	9 3.6%
14:27	<u>Uitgeest</u>	7a	8.6%
14:30	<u>Amersfoort</u>	11b	10.8%
14:32	Hoofddorp	13a	8.4%
14:34	Vlissingen	2a	<u>@</u> 2.4%
14:36	<u>Enkhuizen</u>	10a	<u>@</u> 2.4%

volledige rapportage van Amsterdam Centraal >



A. Giudici 2







This is how the punctuality figure is calculated:

We calculate the percentage of trains that arrived on time for the same route, on the same day of the week and at the same time of day. The calculation is based on the figures of the preceding three months.

What does 'arriving on time' mean?

A train is considered on time when it arrives within a margin of 5 minutes after the time that is stated in the journey planner.

What does this mean for your journey?

The punctuality figure indicates how often your train arrived on time in the past, but it does not provide any guarantee for your journey now.

What about reliability in intermodal transport?



Main challenges

- 1. How do we operationally define reliability?

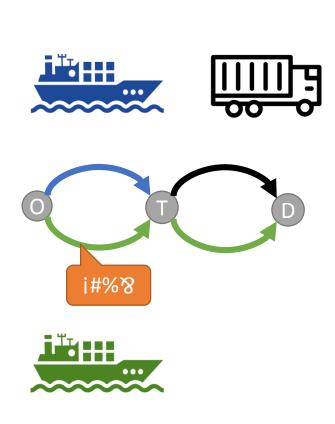
 Punctuality
- 2. What is reliability related to?

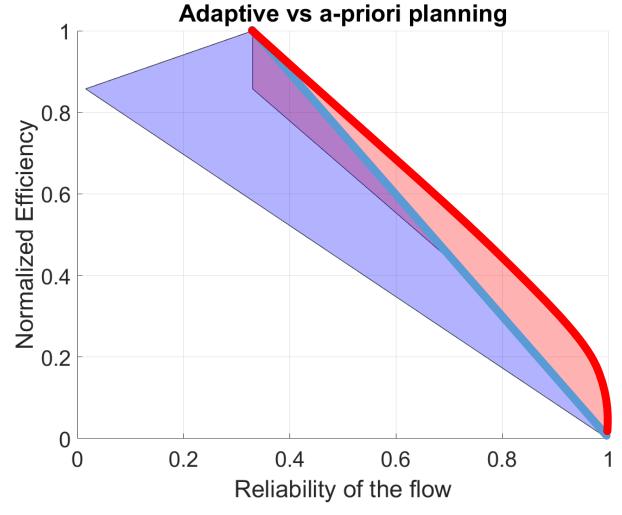
Costs – Transit Time – Routing decisions

3. How can we plan reliable transport?

Let's make an example!

Planning reliable transport – A toy example







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