


# Appendix A

## Welcome and introduction

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(ESA/ESTEC, The Netherlands)





**29<sup>th</sup> European Space Thermal Analysis Workshop**

**3-4 November 2015, ESA ESTEC, Noordwijk**

**Welcome & Introduction**

**Harrie Rooijackers**  
**Thermal Division**  
**Analysis and Verification Section**  
**ESA ESTEC**

## Workshop objectives



- To promote the exchange of views and experiences amongst the users of European thermal engineering analysis tools and related methodologies
- To provide a forum for contact between end users and software developers
- To present developments on thermal engineering analysis tools and to solicit feedback
- To present new methodologies, standardisation activities, etc.

## ESA Team



Benoit Laine                      Head of Section  
James Etchells  
Duncan Gibson  
Harrie Rooijackers

Workshop organised by the Thermal Analysis and Verification Section TEC-MTV with help from the ESA Conference Bureau

## Programme



- Two-day programme
- Presentations of 25 min, including 5 minutes for questions and discussions
- Presenters:  
If not done already please leave your presentation (PowerPoint or Impress and PDF file) with Harrie before the end of Workshop.
- No copyrights, please!
- Workshop Proceedings will be supplied to participants afterwards, on the Web.

## Practical information



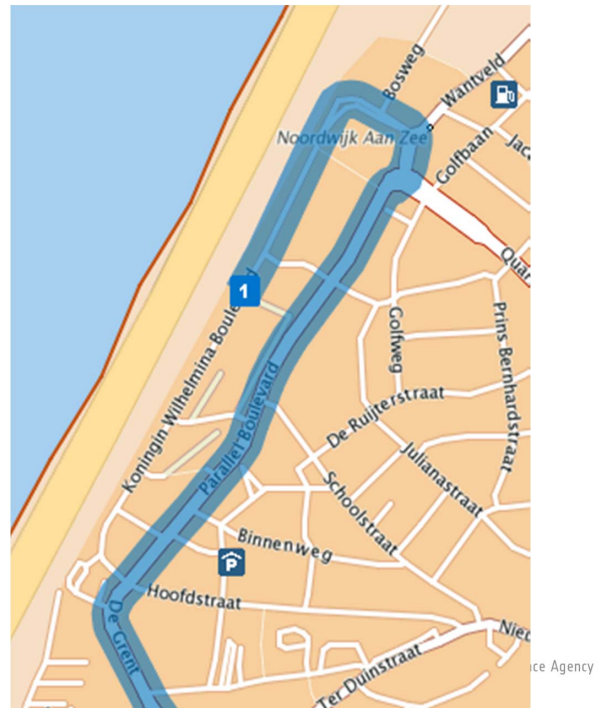
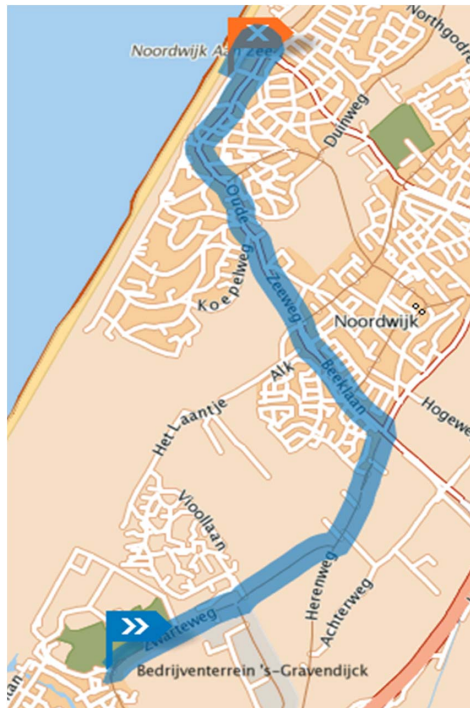
- Lunch: 13:00 - 14:00
- Cocktail today around 17:30 in the Foyer
- Check your details on the list of participants and inform the Conference Bureau of any modifications.  
Leave your email address!
- Taxi service and Shuttle service to Schiphol Airport  
contact ESTEC Reception ☎ ext. 54000, ESTEC.Reception@esa.int  
or Taxi Brouwer ☎ +31(0)71 361 1000, info@brouwers-tours.nl
- Optional workshop dinner tonight!

## Workshop dinner



- in "La Galleria", Kon. Wilhemina Boulevard 18,  
2202 GT Noordwijk, ☎ +31(0)71 19 17196
- fixed menu with choice of main course (fish, meat or  
vegetarian) for €29,50 excl. drinks  
*drinks are charged individually.*
- Restaurant booked today for 19:30
- Please arrange your own transport
- "Dutch" dinner == to be paid by yourself 😞
- If you would like to join, then fill in the form on the last page  
of your hand-outs and drop it at the registration desk today  
**before 13:00**, to let the restaurant know what to expect

## Restaurant "La Galleria"



## ICES



- The 46th International Conference on Environmental Systems (ICES) will be held 10-14 July, 2016, Vienna, Austria.
- Deadline for submitting abstracts: 16 November, 2015
- Abstracts must include paper title, author(s) name(s), mailing and e-mail addresses, phone and fax numbers
- Abstracts may be submitted online at [www.depts.ttu.edu/cweb/ices](http://www.depts.ttu.edu/cweb/ices)

## Workshop



Next year: 30th workshop, 5-6 October 2016  
Wed – Thu !!!

Why not Tue as usual?



## 3 Oct 1574 - End siege of Leiden



Dutch revolt against Spain (1568-1648: 80 years war)



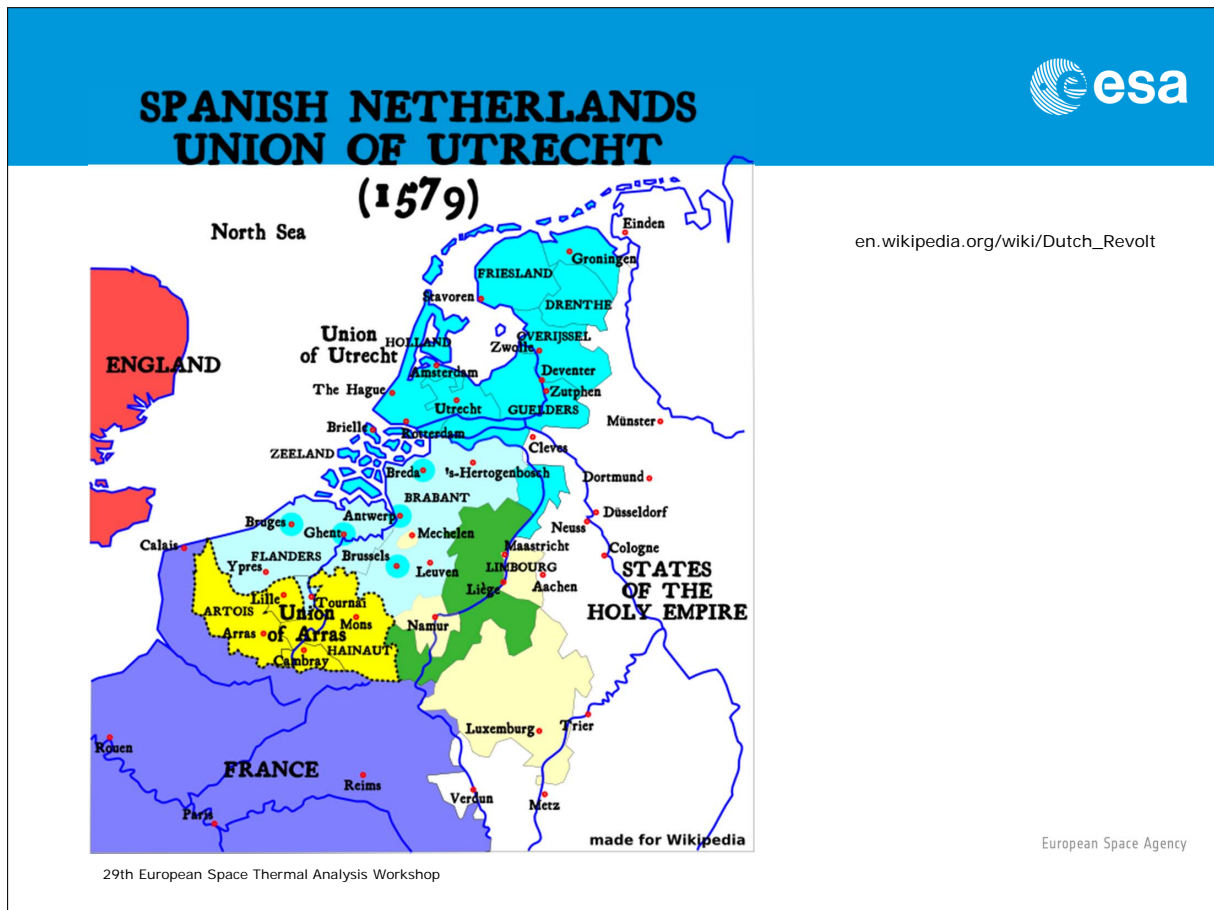
On 3 October 1574 the siege of Leiden ended. This is still annually celebrated in Leiden with festivities in the centre with herring and white bread and "hutspot" (carrot and onion stew), the available liberation food at that time.

Public transport is a mess and even road transport in the area suffers.

On 4 October they can clean up the mess.

On 5 October everything is back to normal again.

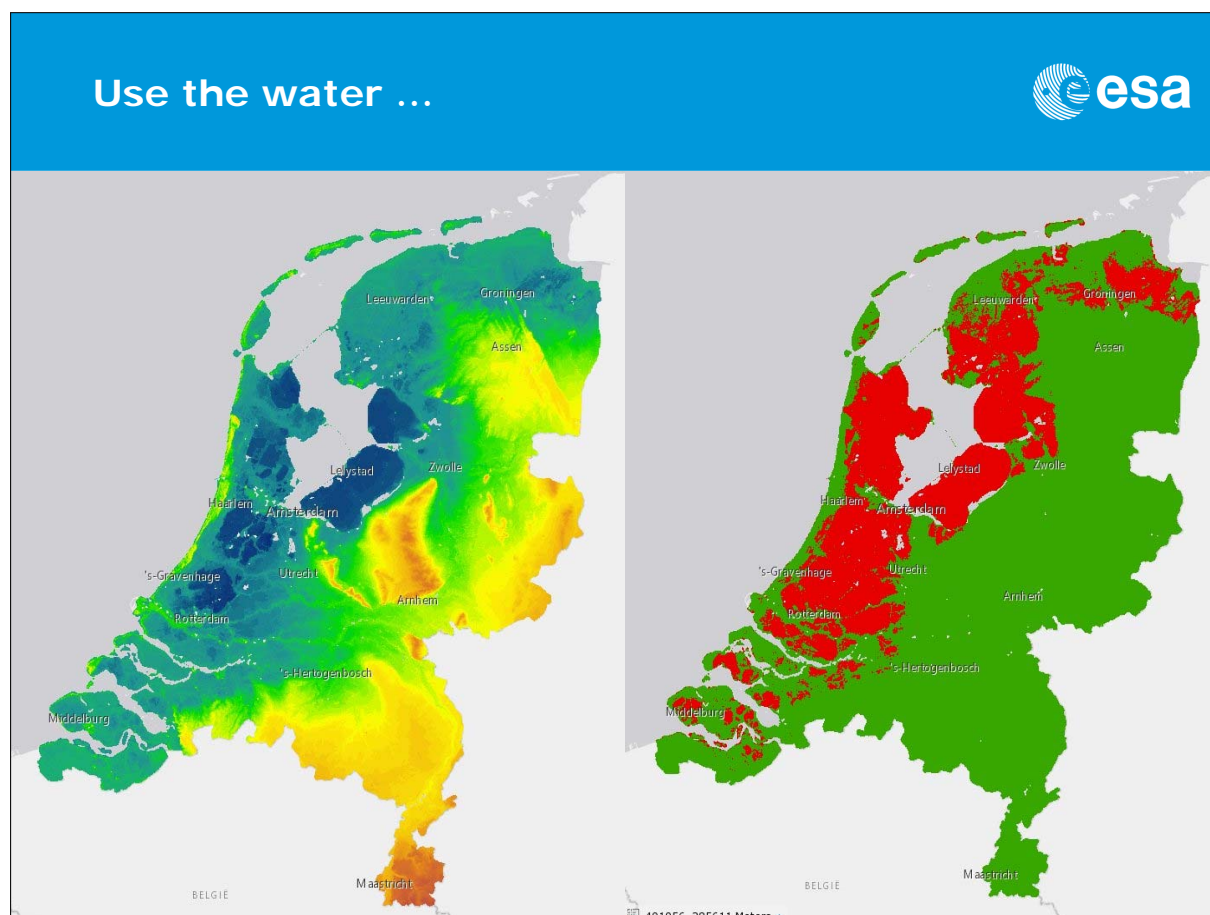




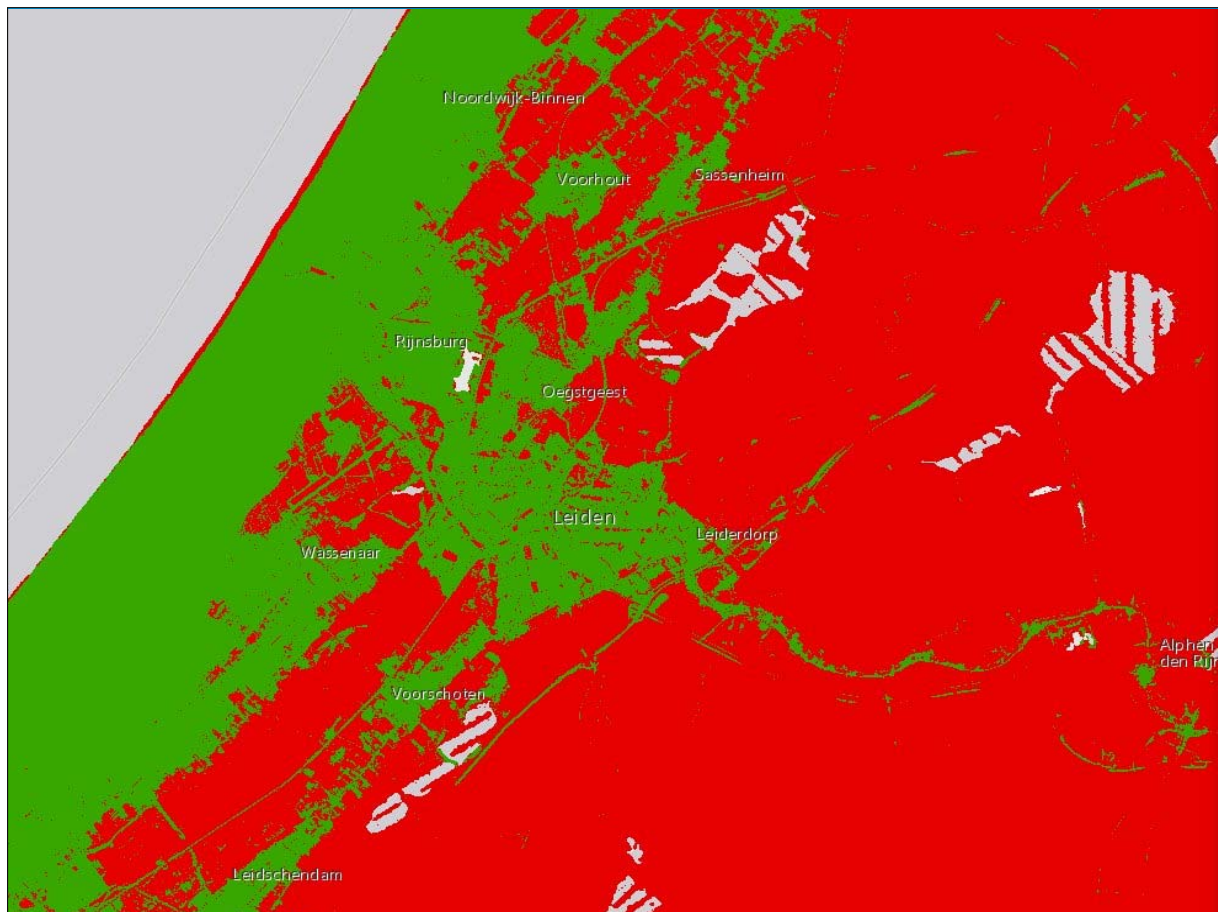
In the war (eventually called the Eighty Years' War) that had broken out, Dutch rebels took up arms against the king of Spain, whose family had inherited the Seventeen Provinces of the Netherlands. Most of the counties of Holland and Zeeland were occupied by rebels in 1572, who sought to end the harsh rule of the Spanish Duke of Alba, governor-general of the Netherlands.

See also:

- [en.wikipedia.org/wiki/Siege\\_of\\_Leiden](https://en.wikipedia.org/wiki/Siege_of_Leiden)
- [en.wikipedia.org/wiki/Dutch\\_Revolt](https://en.wikipedia.org/wiki/Dutch_Revolt)



The territory had a very high density of cities, which were protected by huge defense works and by the low-lying boglands, which could easily be flooded by opening the dykes and letting in the sea. The picture on the left shows a current altitude map of the Netherlands. The picture on the right shows the part of the country above sealevel in green and the part below in red.



Here is a zoom in on the current area of Leiden showing the sealevel.

## Workshop



Current workshop:

19 very interesting presentations covering:

- Range of general applications
- New tools
- Existing thermal tools
  - Enhancements
  - Applications
  - User experiences

## Workshop



# Listen, Ask, Discuss

*most of all: **Enjoy***