



Web-based migration survey of the Scarce tortoiseshell, *Nymphalis xanthomelas* (Esper 1781) in northwestern Europe

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VVE WG Butterflies_Sylvain_Cuvelier_Luc_Manil_N.xanthomelas

01/04/2016

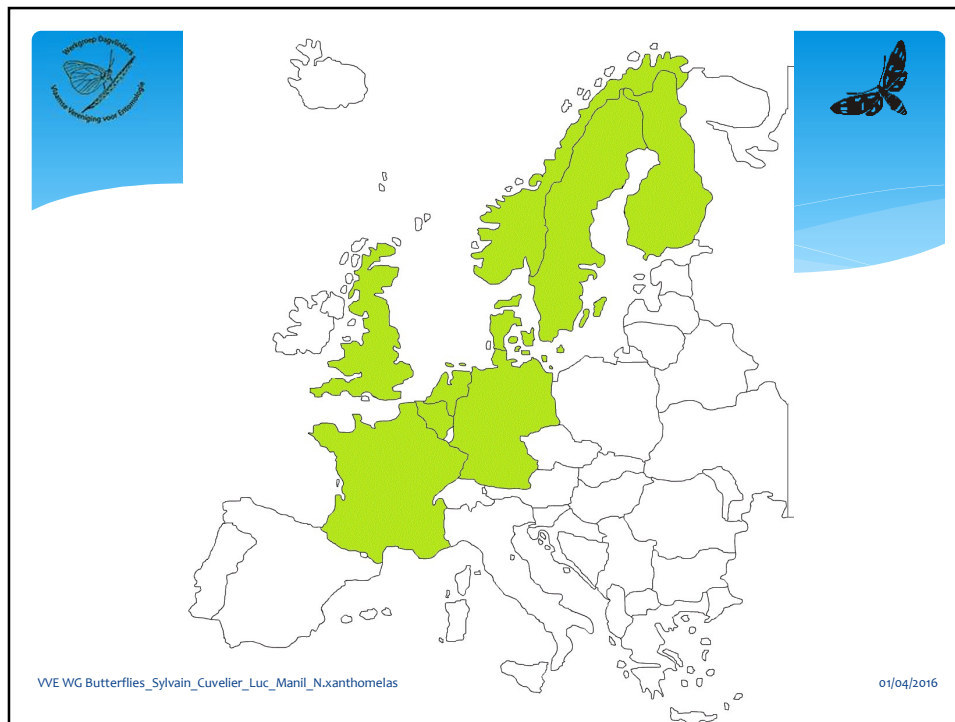


Identification



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Finland

http://yle.fi/uutiset/perhosharrastajat_yllattyivat_-_harvinaisuudesta_jo_satoja_havaintoja/7184611 (2014-viii-19)



“Till 2011 in total 150 observations

2012: 500 observations

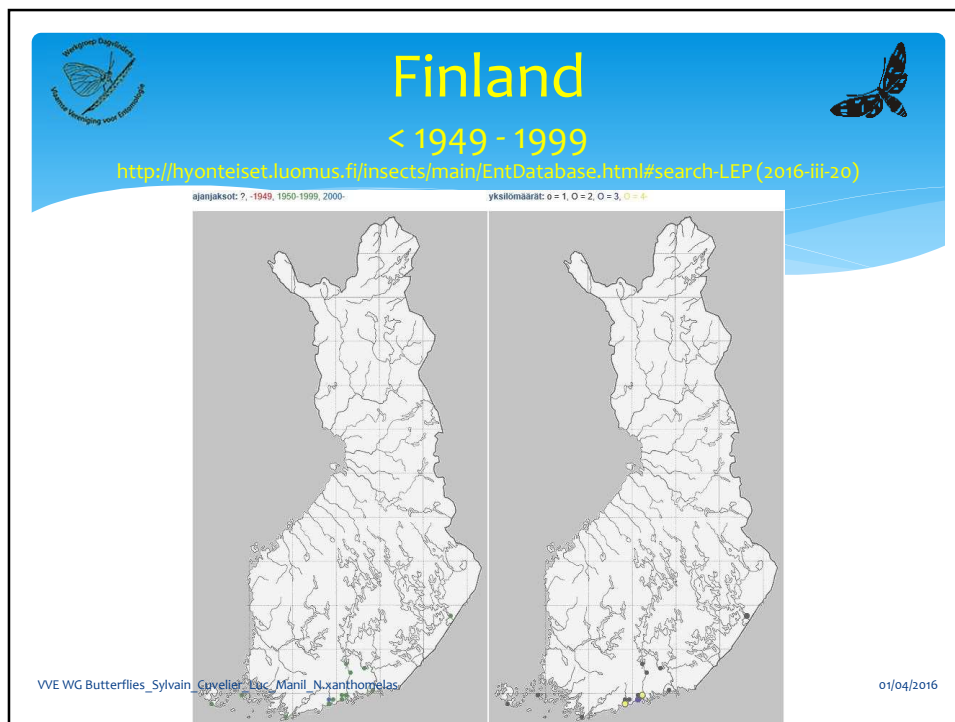
N. xanthomelas survives the winters 2012 and 2013

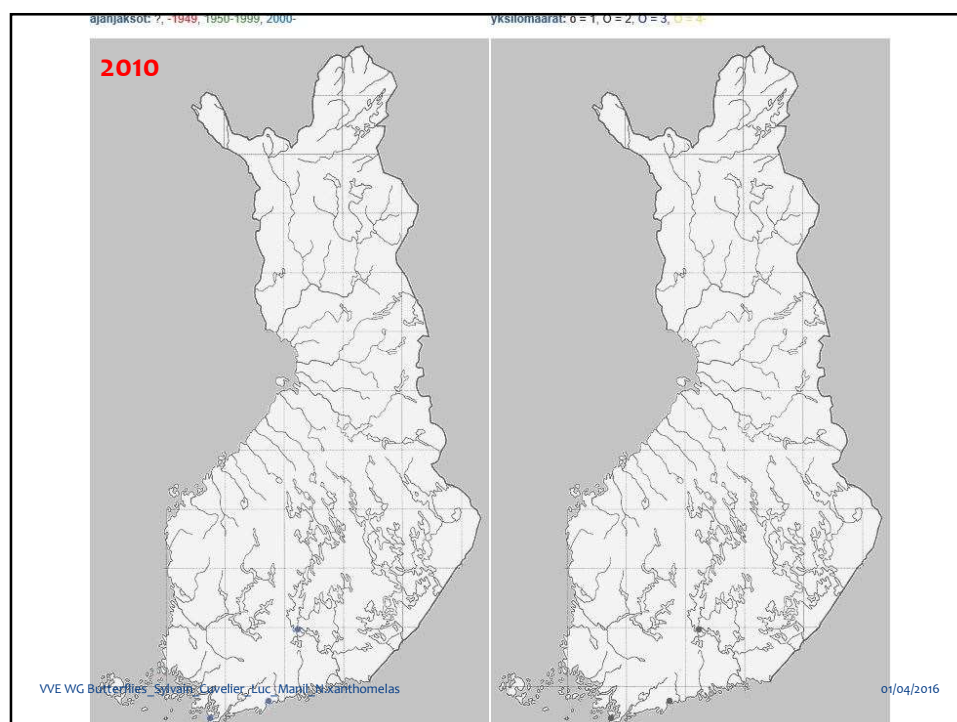
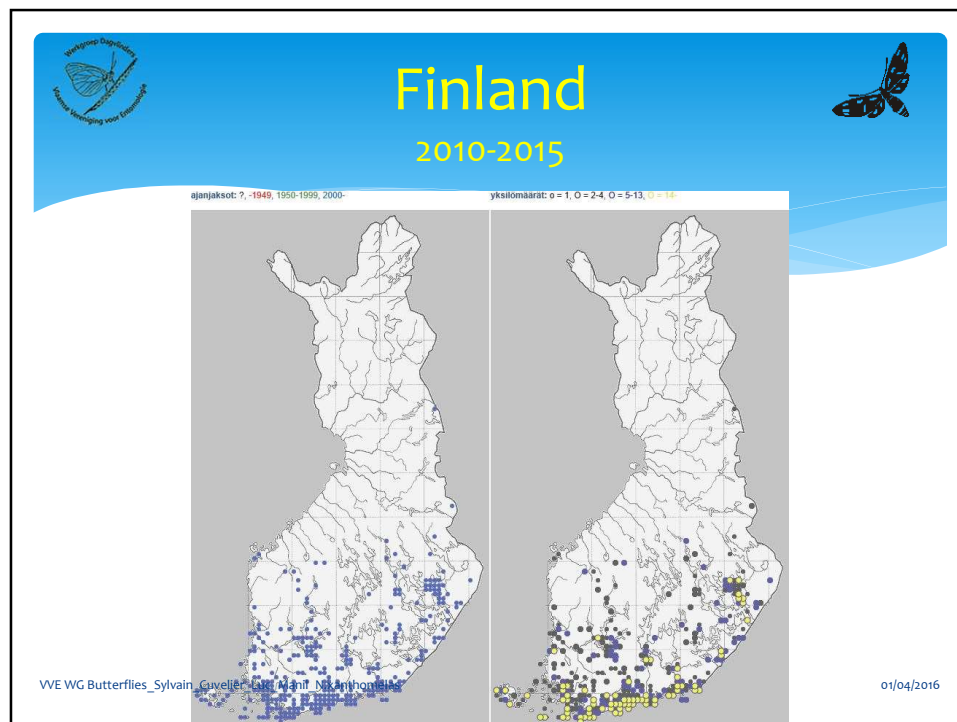
2013: high numbers

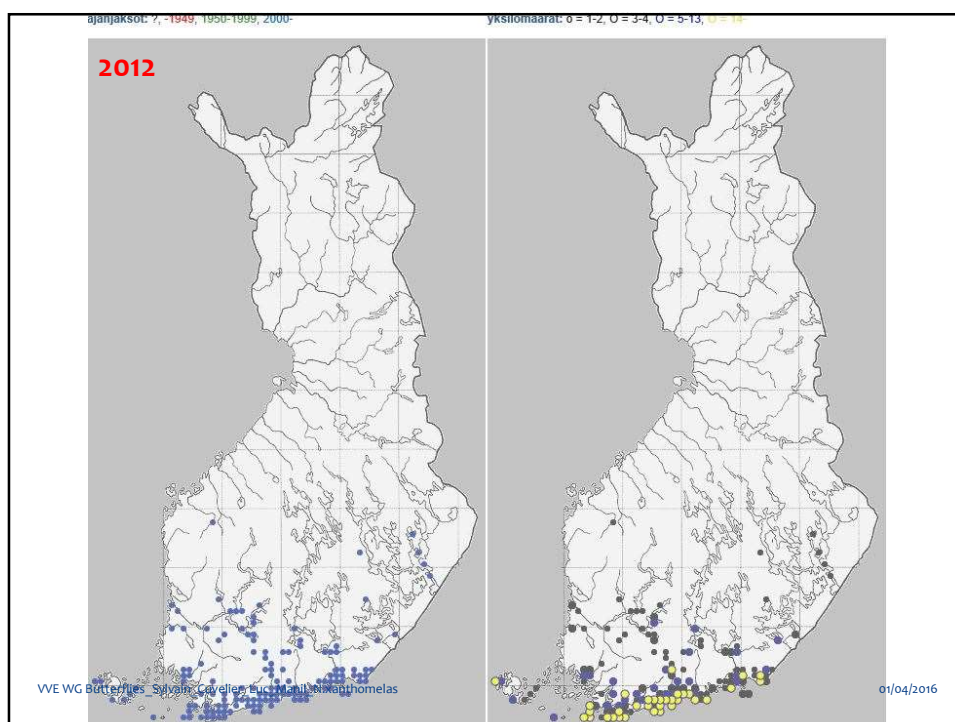
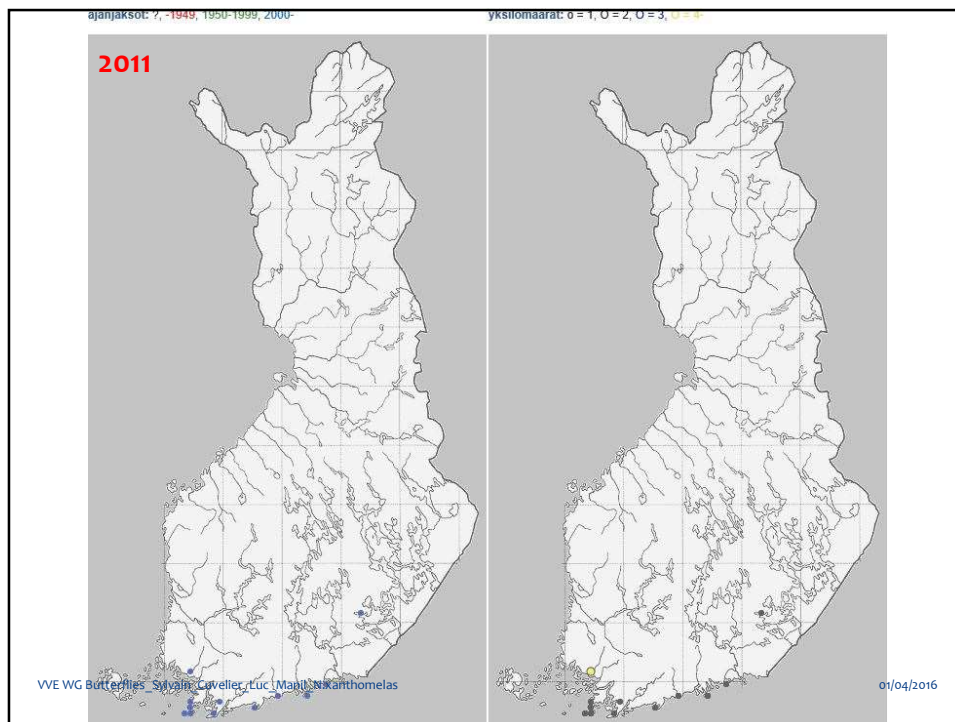
2014: again hundreds of observations”

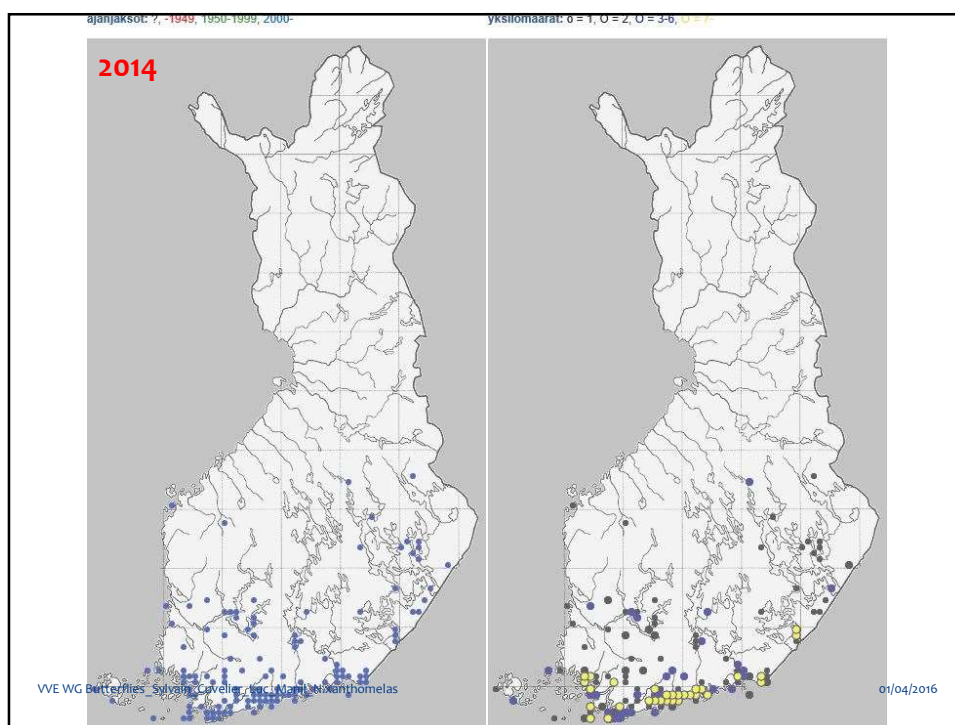
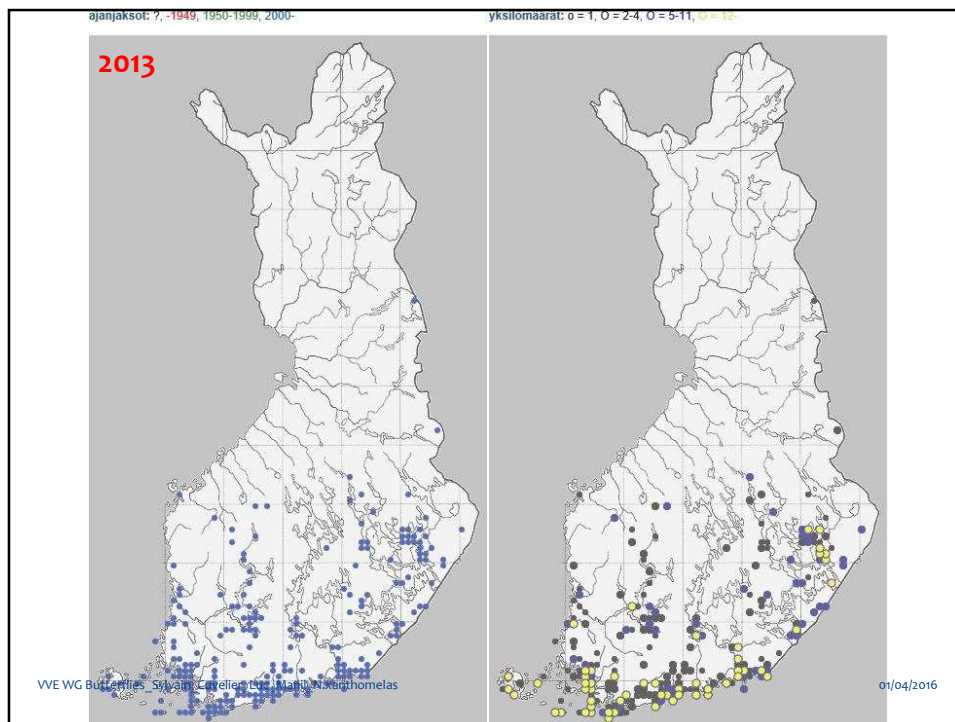
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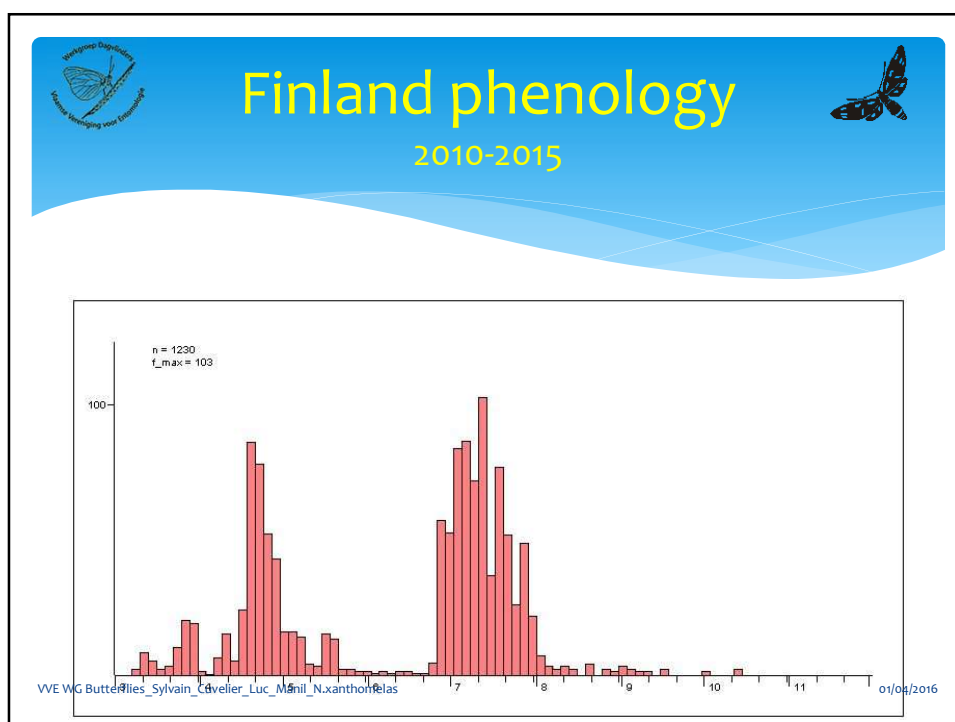
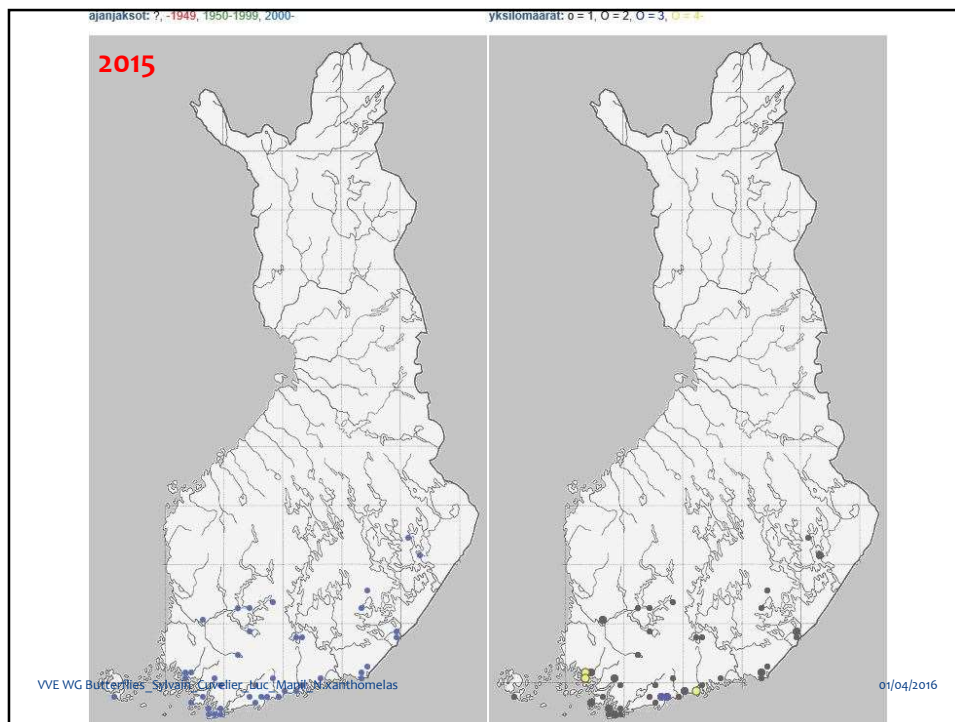
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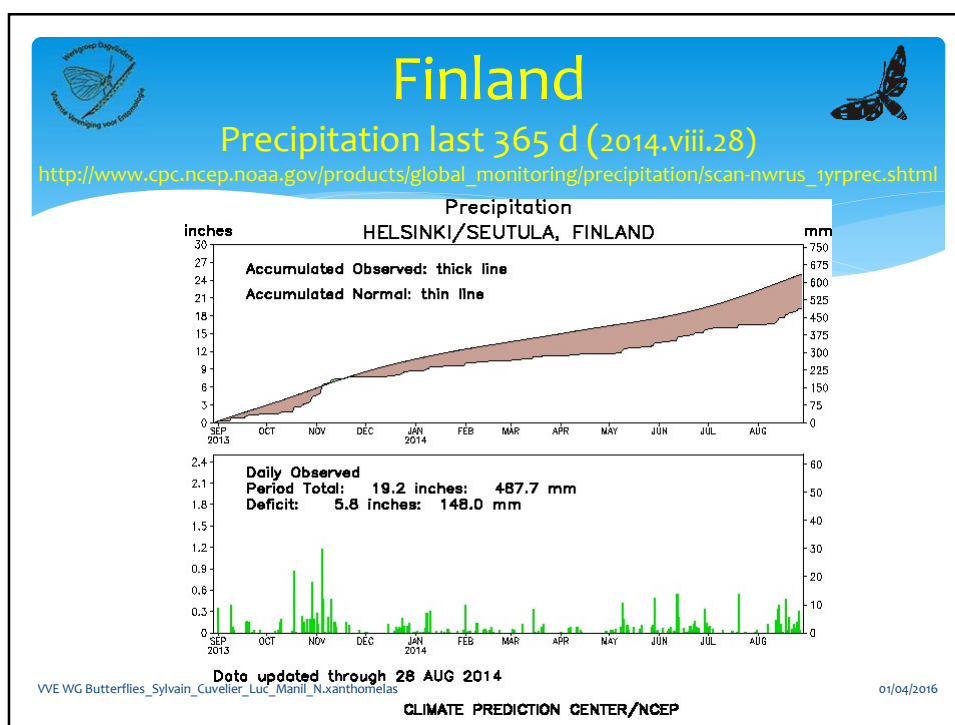
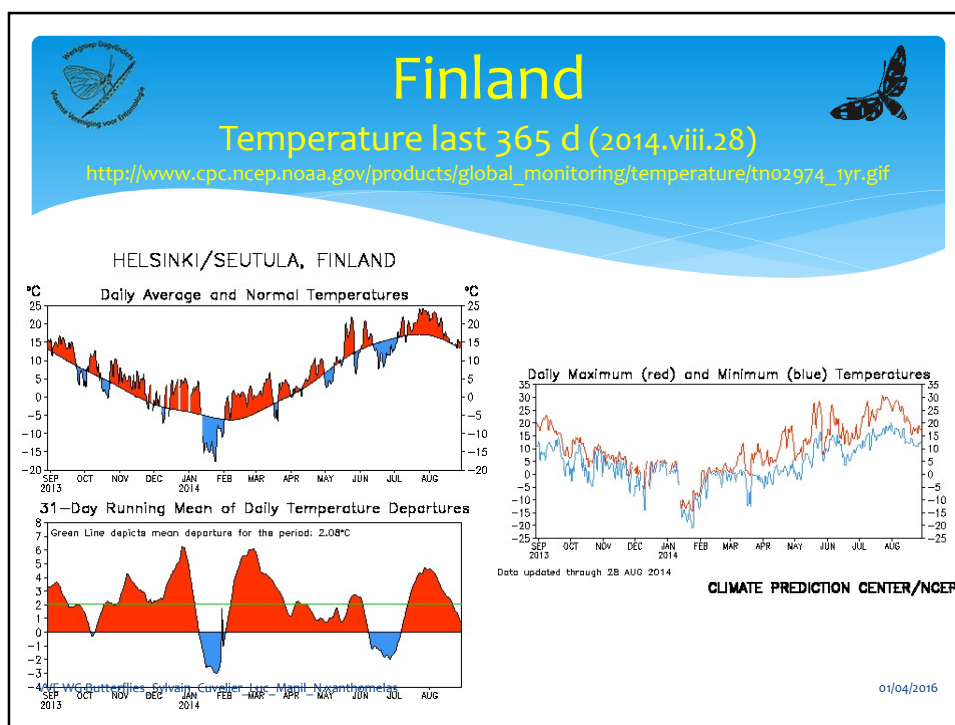


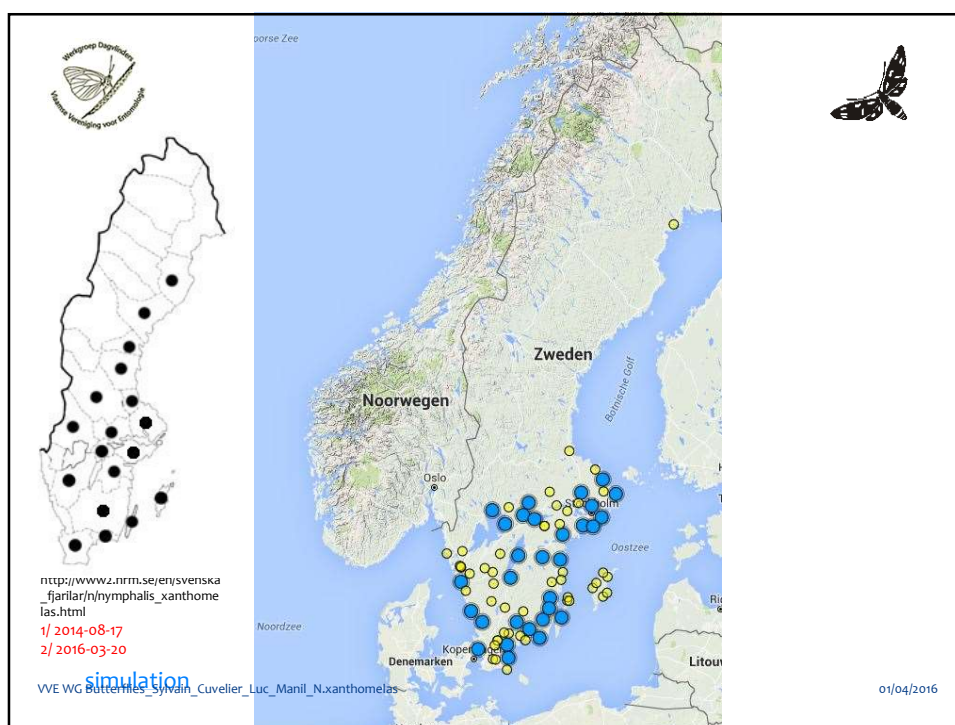














Denmark



http://www.sommerfugleatlas.dk (2014.viii.17)

- * 1896: first mention at Vemmetofte Beach Forest (Faxe Ladeplads)
Observed there again in 2014
- * 1901: 1 specimen at Bornholm
Another specimen in 1979 in the same locality
- * 1954: 4 specimens in Saltuna & 1 specimen in Rønne (Bornholm)
- * As from 2003: increasing, isolated observations
- * From 2011: increasing numbers & in total 85 localities

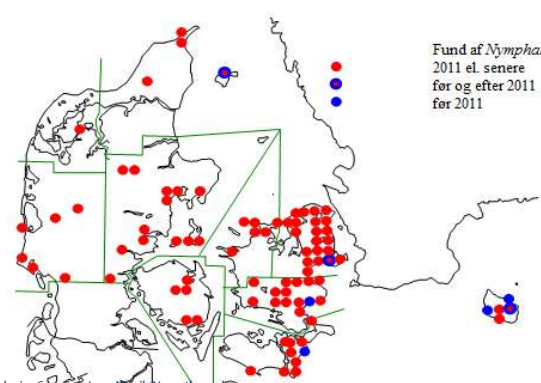
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Denmark

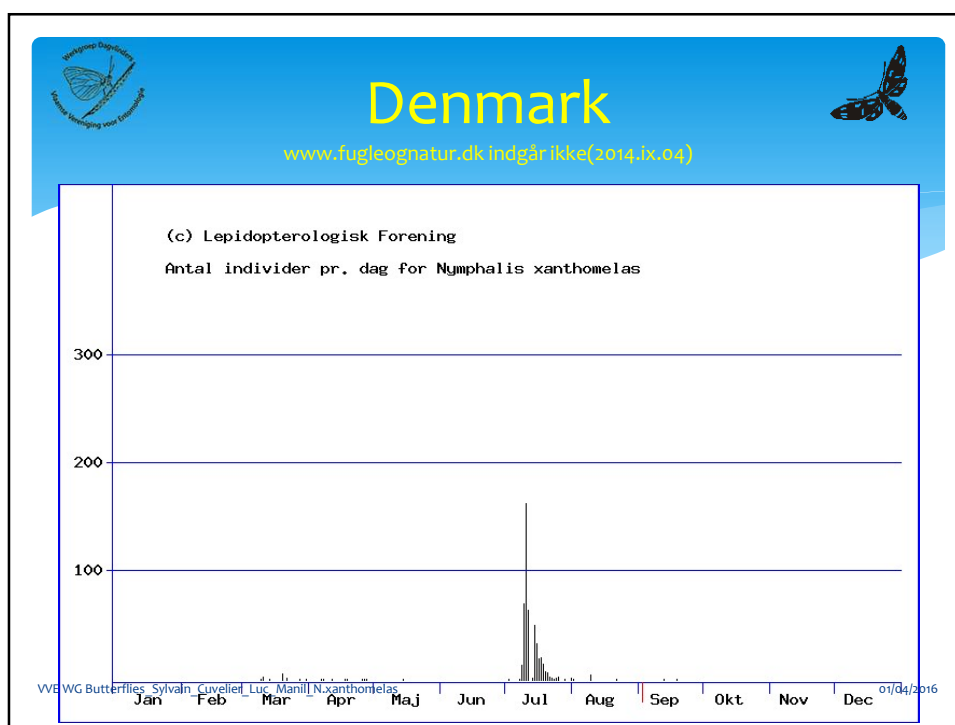
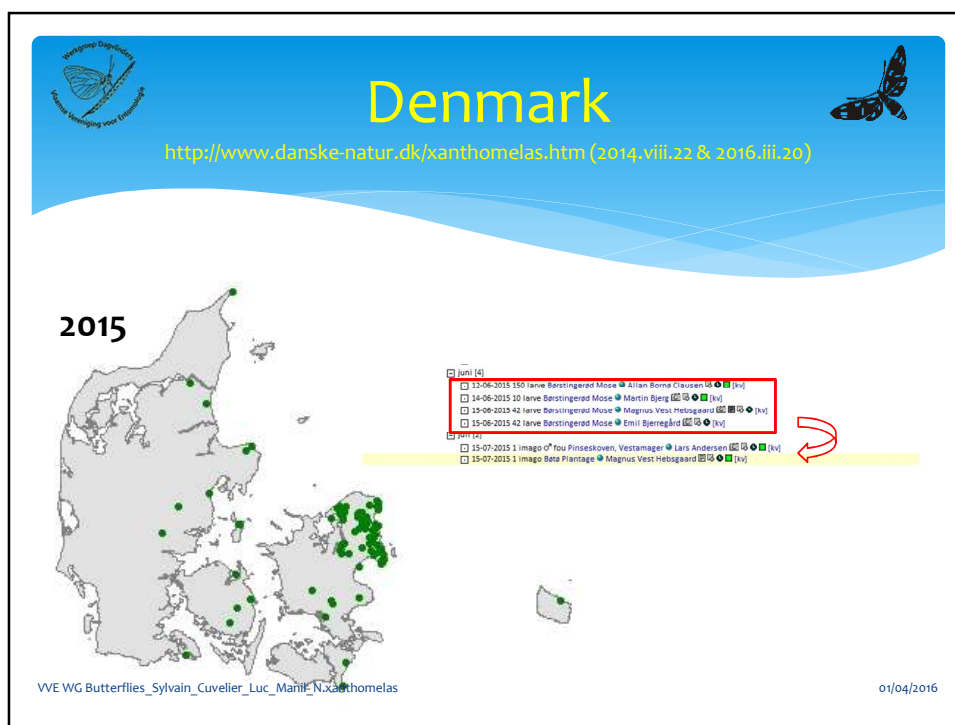


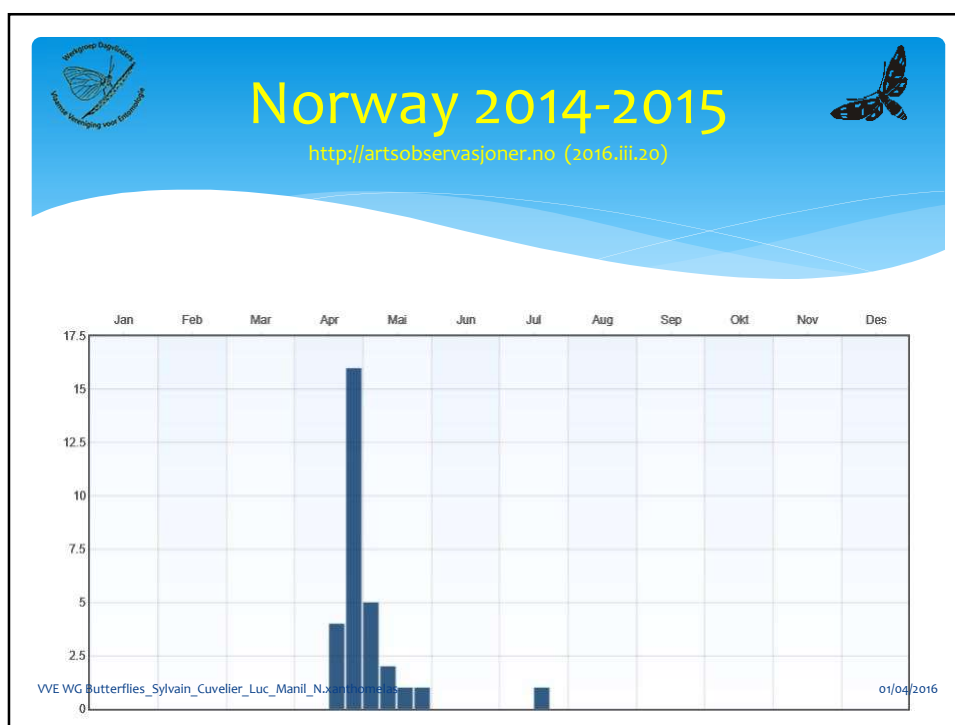
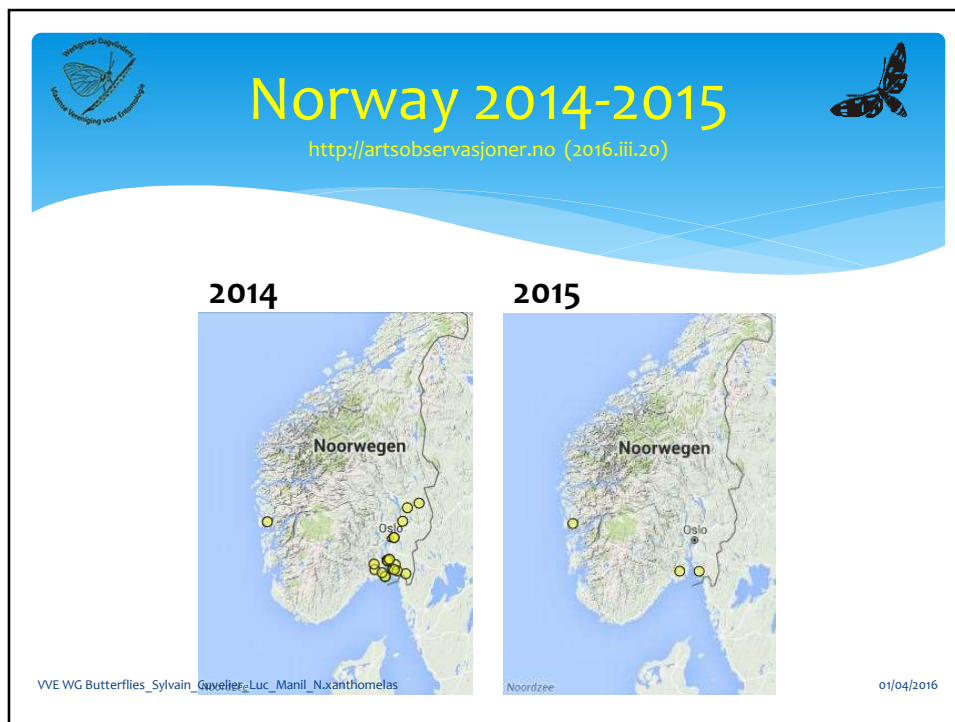
www.fugleognatur.dk indgår ikke(2014.ix.04)

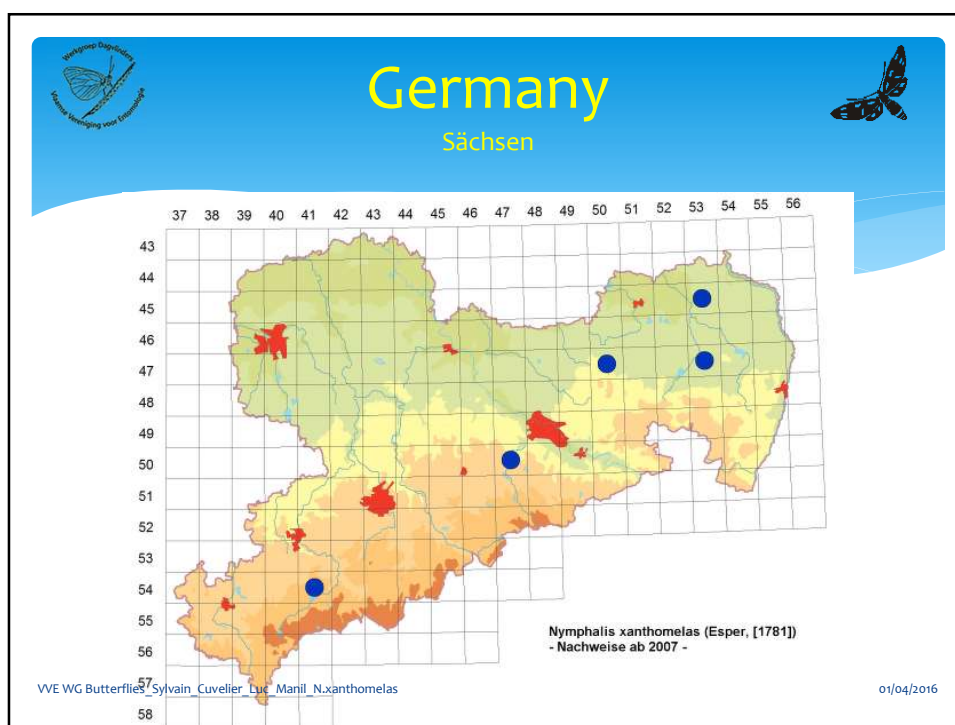
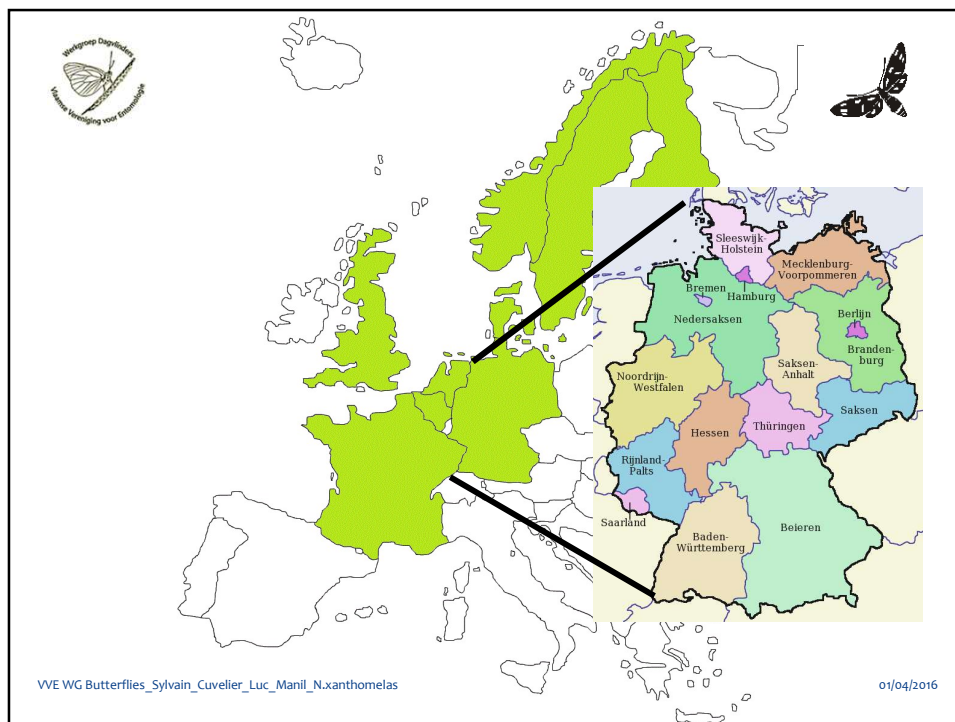


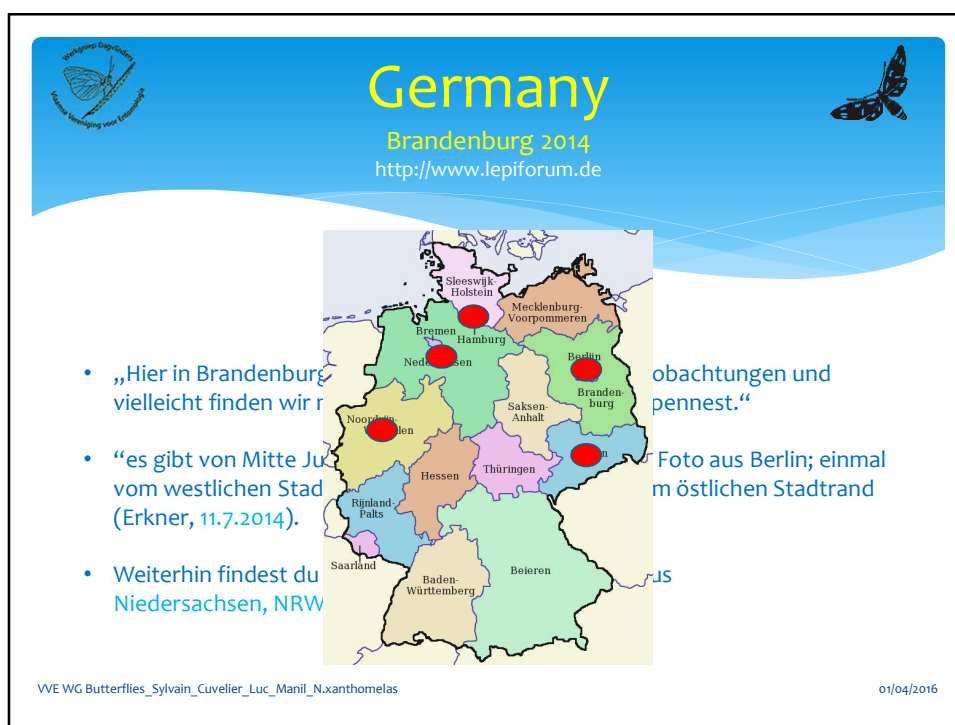
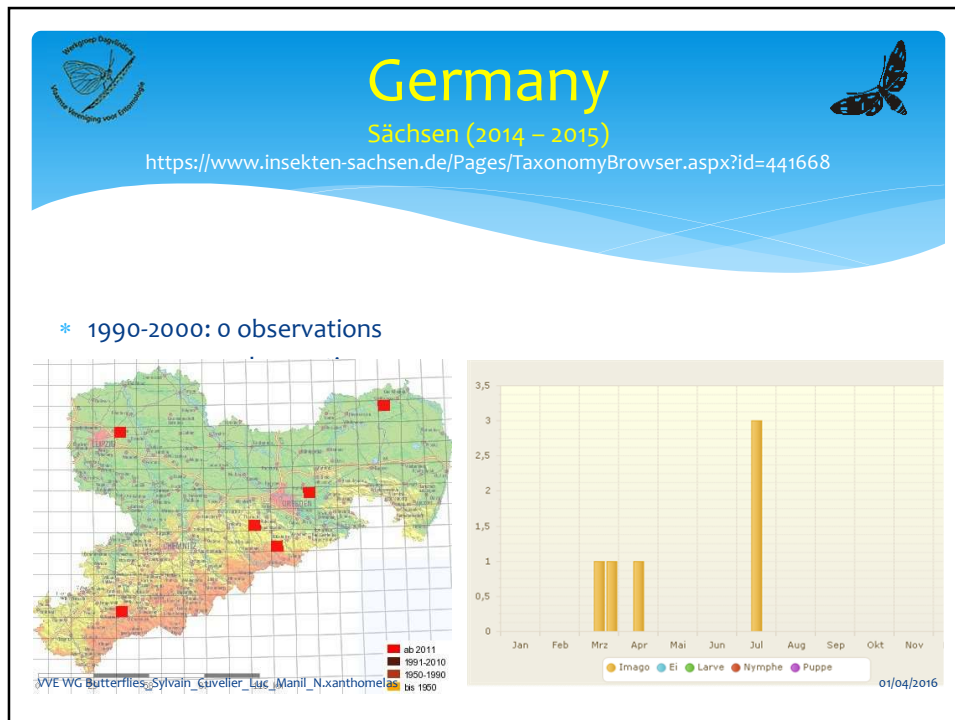
Fund af *Nymphalis xanthomelas*
2011 el. senere
før og efter 2011
før 2011

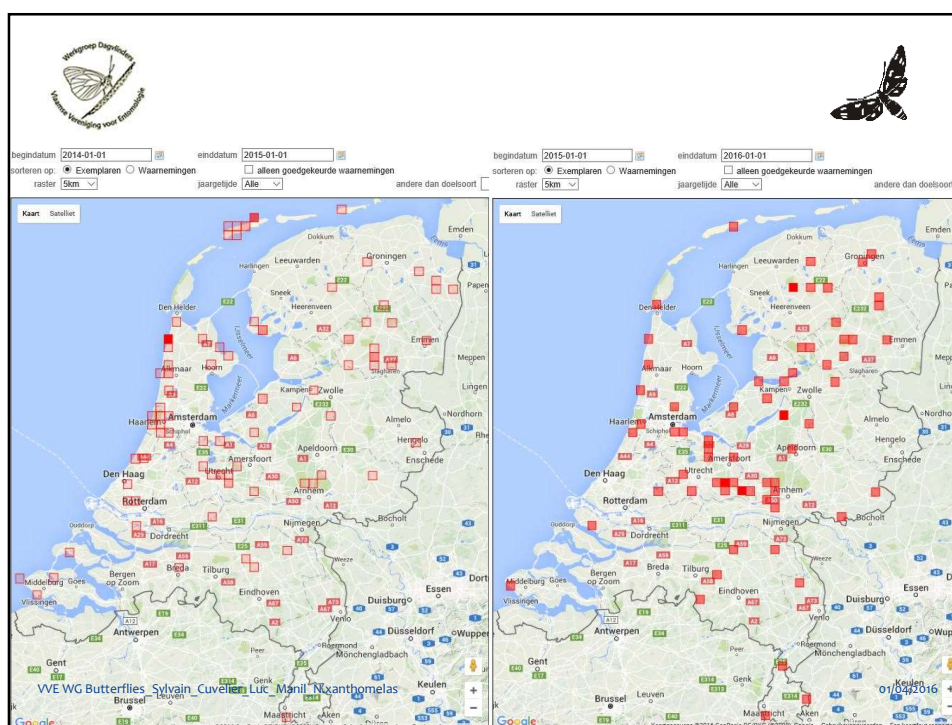
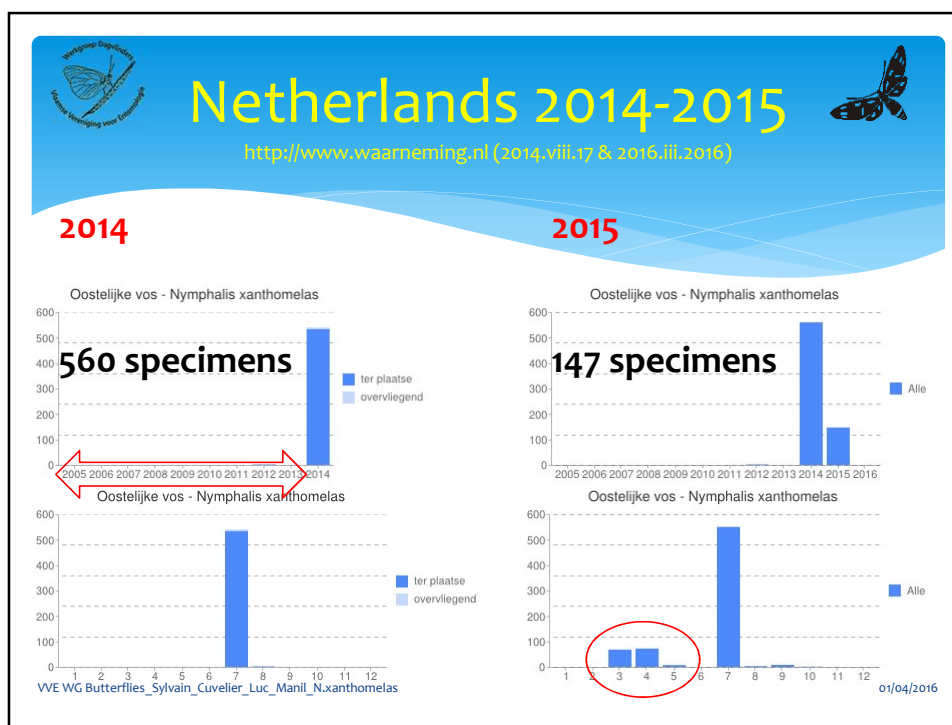
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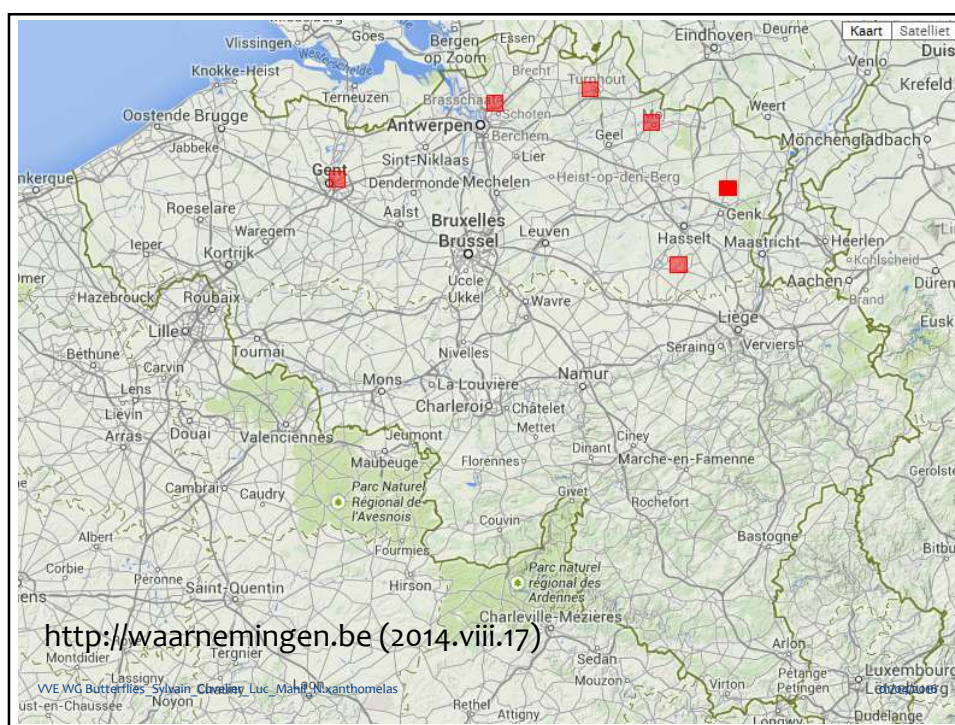
Belgium 2014



[http://waarnemingen.be \(2014.viii.17\)](http://waarnemingen.be (2014.viii.17))

- 2014.vii.15: 1 specimen at Turnhout
- 2014.vii.16: 1 specimen at Turnhout (same specimen?)
- 2014.vii.17: 1 specimen at Meeuwen-Gruitrode (? document)
- 1 specimen at Gent-Muide
- 2014.vii.18: 1 specimen at Ekeren-De Donk
- 2014.vii.20: 1 specimen at Mol-Kempisch kanaal (no document)
- 2014.vii.22-24: 1 specimen at Hoepertingen (no document)
- and
- Oral comm. 19.vii.2014 Ursel (no document)

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U.K. 2014

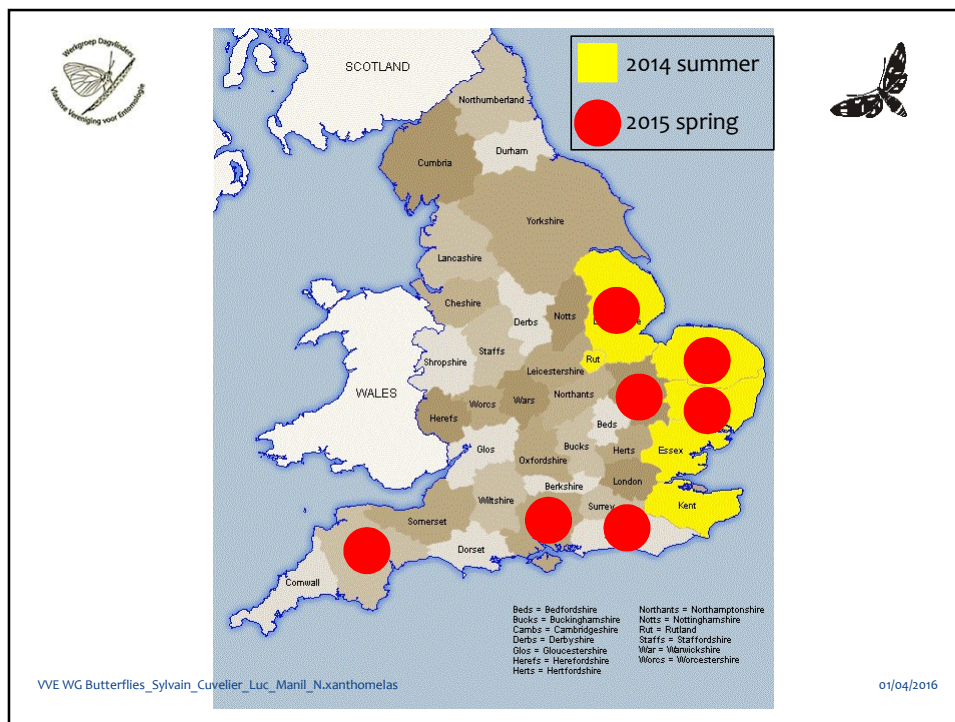
Once at Sevenoaks (W-Kent) in **1953.vii.02**
"probably release of a captive-bred insect"

2014.vii.15: RSPB Minsmere (Suffolk) but with first observation on **2014.vii.14**



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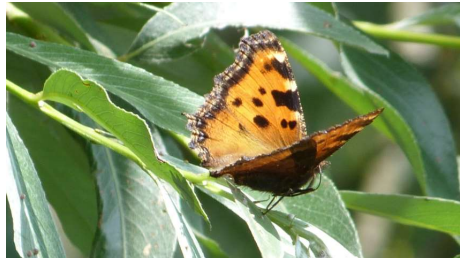


France 2014

[http://observado.org/\(2014.viii.17\)](http://observado.org/(2014.viii.17))



1 observation at Englancourt (Aisne) 16.vii.2014




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Internet + E-mail: Thx?

→ Lépidoptères ix.2014 & ix.2015



- * Before Internet: impossible !
- * BUT...

1. Different web based systems (Fi, S, N, Dk, NI, B, ...)
Some with similarities (e.g. NI-B-www.observado.org & S-N)
2. Lacking for (D, UK, F) ?
3. Providing different level of information
4. Using different coordinates
5. Using different languages
6. Open access ⇔ “half open access” web based system
7. Reliability without document *N. xanthomelas* ⇔ *N. polychloros* ?
8. Reliability of N° of specimens (multiple people recording =) ?

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→ “Sampling” websites

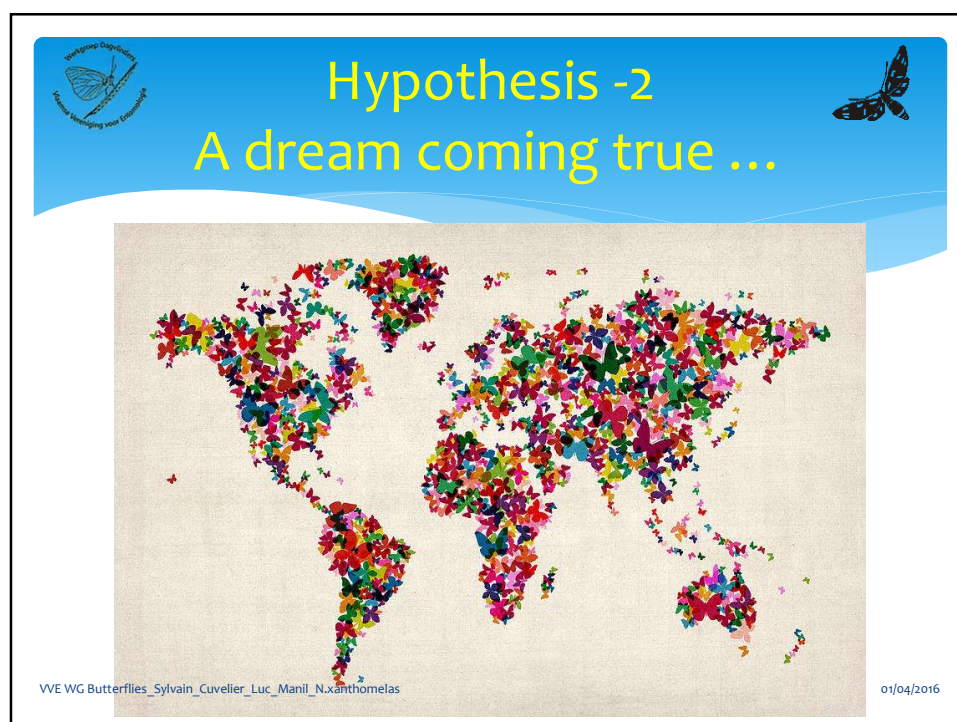
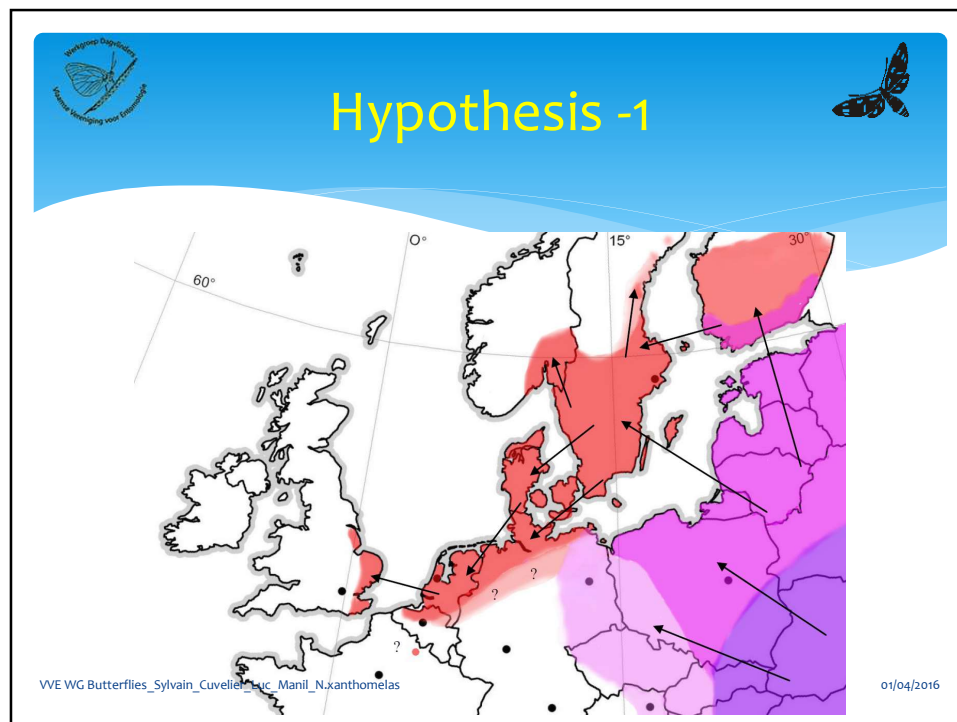
Gathering as much data as possible



1. http://yle.fi/uutiset/perhosharrastajat_ylattyivat_-_harvinaisuudesta_jo_satoja_havaintoja/7184611
2. <http://hyonteiset.luomus.fi/insects/main/EntDatabase.html#search-LEP>
3. http://www.cpc.ncep.noaa.gov/products/global_monitoring/temperature/tn02974_1yr.gif
4. http://www.cpc.ncep.noaa.gov/products/global_monitoring/precipitation/scan-nwrus_1yrprec.shtml
5. http://www2.nrm.se/en/svenska_fjarilar/n/nymphalis_xanthomelas.html
6. <http://www.artportalen.se>
7. <http://www.sommerfugleatlas.dk>
8. <http://www.danske-natur.dk/xanthomelas.htm>
9. www.fugleognatur.dk indgår ikke
10. <http://artsobservasjoner.no>
11. <https://www.insekten-sachsen.de/Pages/TaxonomyBrowser.aspx?id=441668>
12. http://www.lepiforum.de/1_forum.pl?md=read;id=92980
13. <http://www.waarneming.nl>
14. <http://waarneming.be>
15. <http://observado.org/>

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Per Stadel NIELSEN
Frits BINK
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