



# Distribution of selected neophytes along the main rivers of Luxembourg (I)

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This poster presents the results of a systematic inventory of the following invasive alien plant species conducted along the main rivers of Luxembourg [Fig. 1] in 2013: summer lilac (*Buddleja davidii*) [Fig. 3], Japanese knotweed (*Fallopia japonica*) [Fig. 4], Sakhalin knotweed (*Fallopia sachalinensis*) [Fig. 5] and their hybrid (*Fallopia × bohemica*), Jerusalem artichoke (*Helianthus tuberosus*) [Fig. 6], giant hogweed (*Heracleum mantegazzianum*) [Fig. 7], Himalayan balsam (*Impatiens glandulifera*) [Fig. 8], small balsam (*Impatiens parviflora*) [Fig. 9], staghorn sumac (*Rhus typhina*) [Fig. 10] and black locust (*Robinia pseudoacacia*) [Fig. 11].

The results show that all the investigated rivers are colonized by at least one of the studied species [Fig. 2]. The rivers Alzette and Sûre (Sauer) are the most affected, with ten resp. nine out of the ten of the species considered, and very dense populations in many sites. *Impatiens glandulifera* [Fig. 8] is the most common of the investigated species.

Compared to a former inventory back in 2007-2008, *Fallopia* spp. and *Impatiens glandulifera* continued to expand along the river network, whereas the distribution of *Heracleum mantegazzianum* [Fig. 7] sharply declined due to the eradication measures undertaken by various stakeholders.

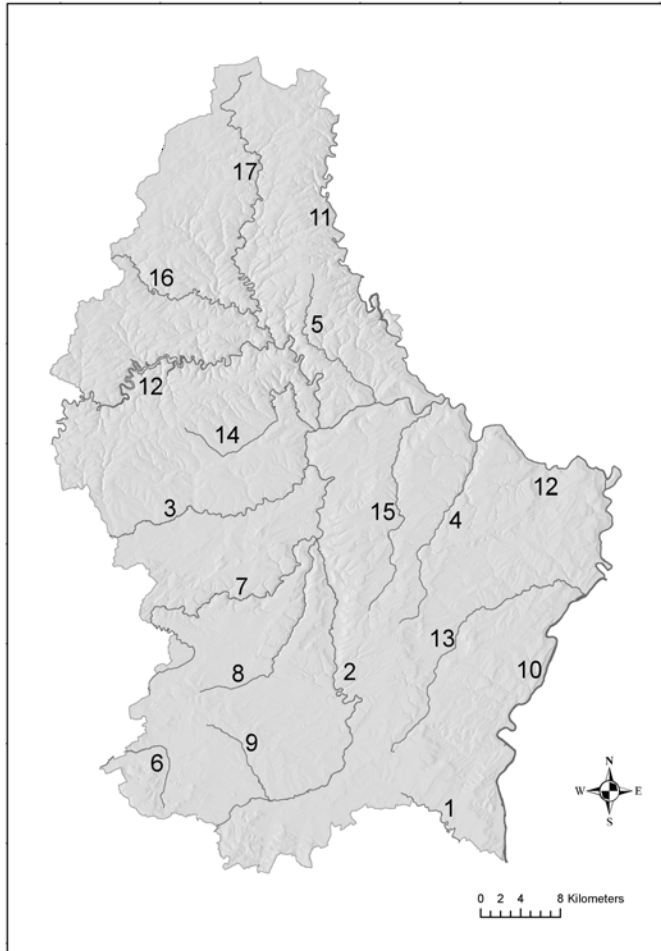


Fig. 1. Localization of the main rivers of Luxembourg: 1. Aalbaach / Gander. 2. Alzette. 3. Attert. 4. Black Ern. 5. Bles. 6. Chiers. 7. Eisch. 8. Mamer. 9. Mess. 10. Moselle. 11. Our. 12. Sûre. 13. Syre. 14. Wark. 15. White Ern. 16. Wiltz. 17. Woltz / Clerve

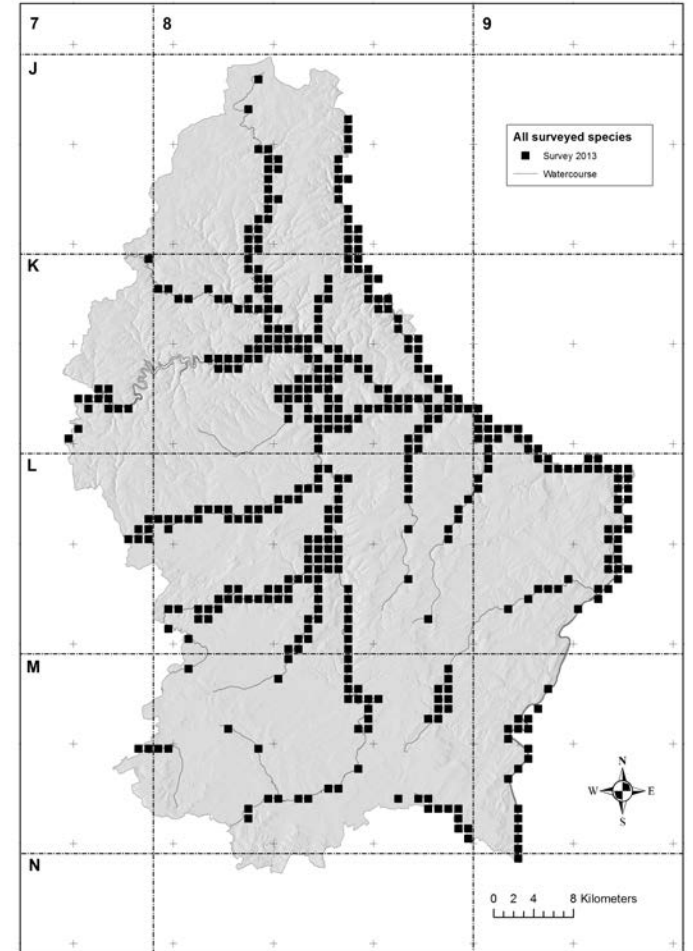


Fig. 2. Merged occurrence of all surveyed neophytes along the main rivers of Luxembourg in 2013.

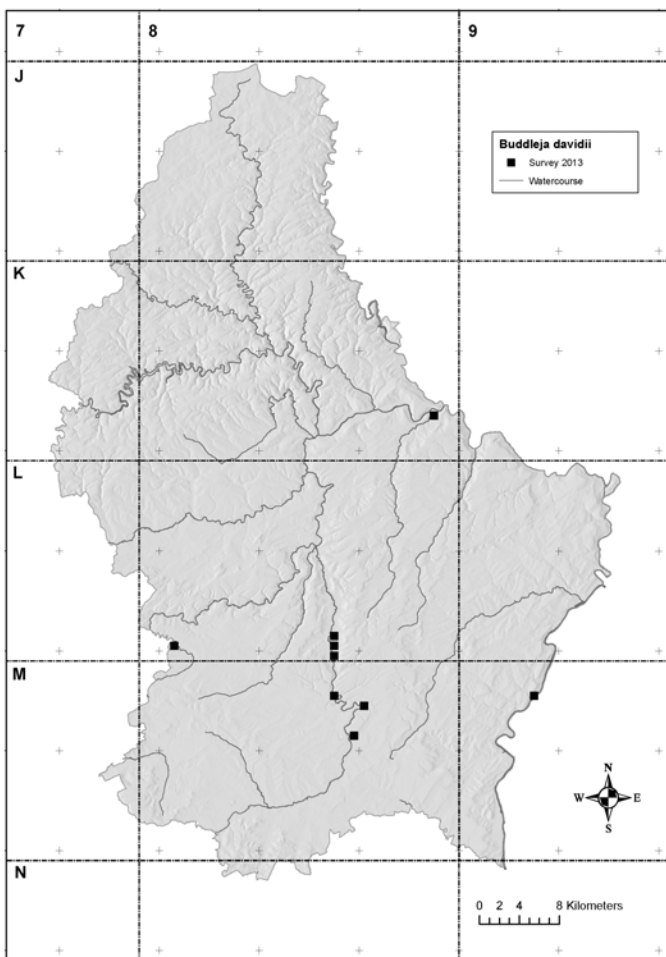


Fig. 3. Distribution of *Buddleja davidii* along the main rivers of Luxembourg (2013)

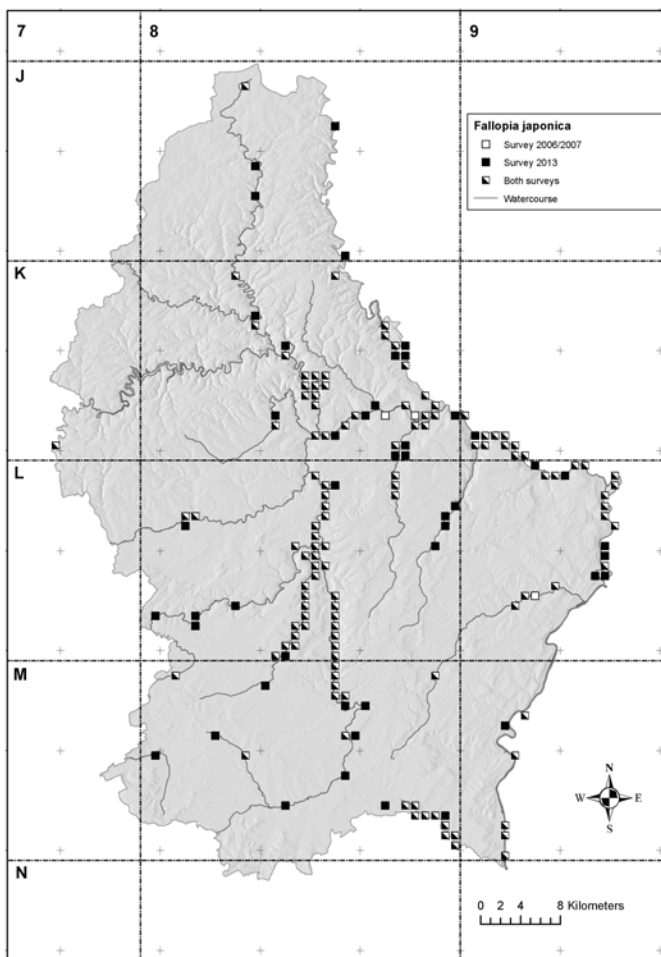


Fig. 4. Distribution of *Fallopia japonica* along the main rivers of Luxembourg in 2006/2007 and 2013.

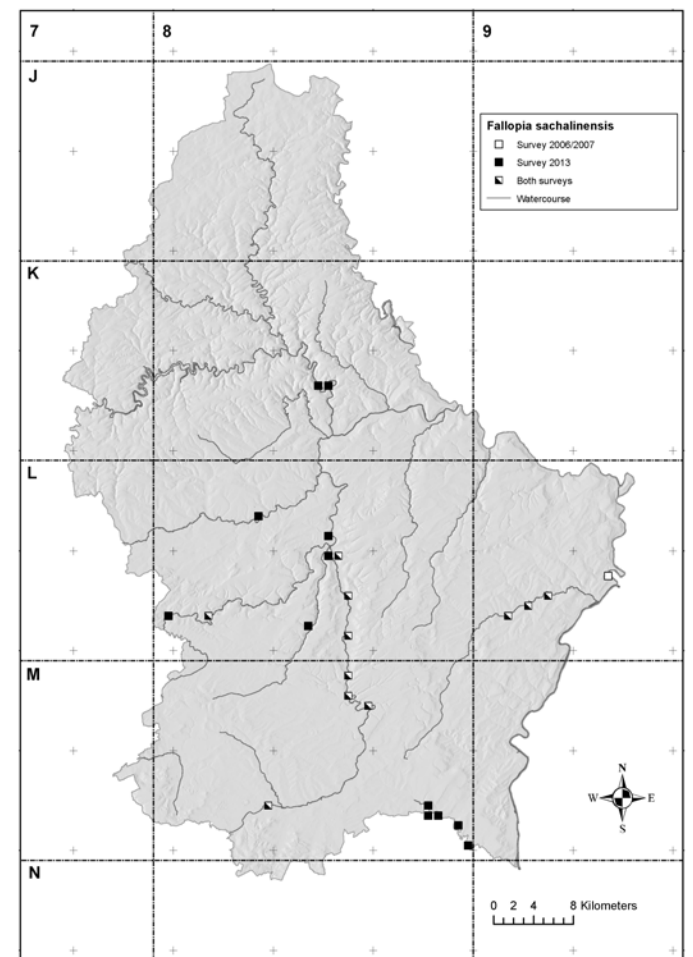


Fig. 5. Distribution of *Fallopia sachalinensis* along the main rivers of Luxembourg in 2006/2007 and 2013.



*Buddleja davidii*



*Fallopia japonica*



*Helianthus tuberosus*



*Heracleum mantegazzianum*

# Distribution of selected neophytes along the main rivers of Luxembourg (II)

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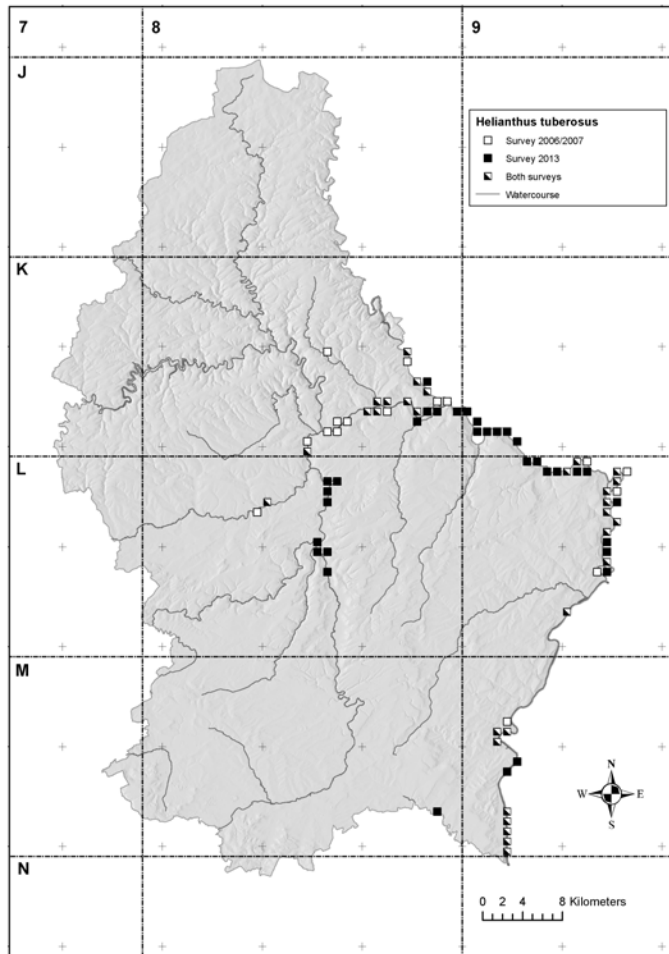


Fig. 6. Distribution of *Helianthus tuberosus* along the main rivers of Luxembourg in 2006/7 and 2013.

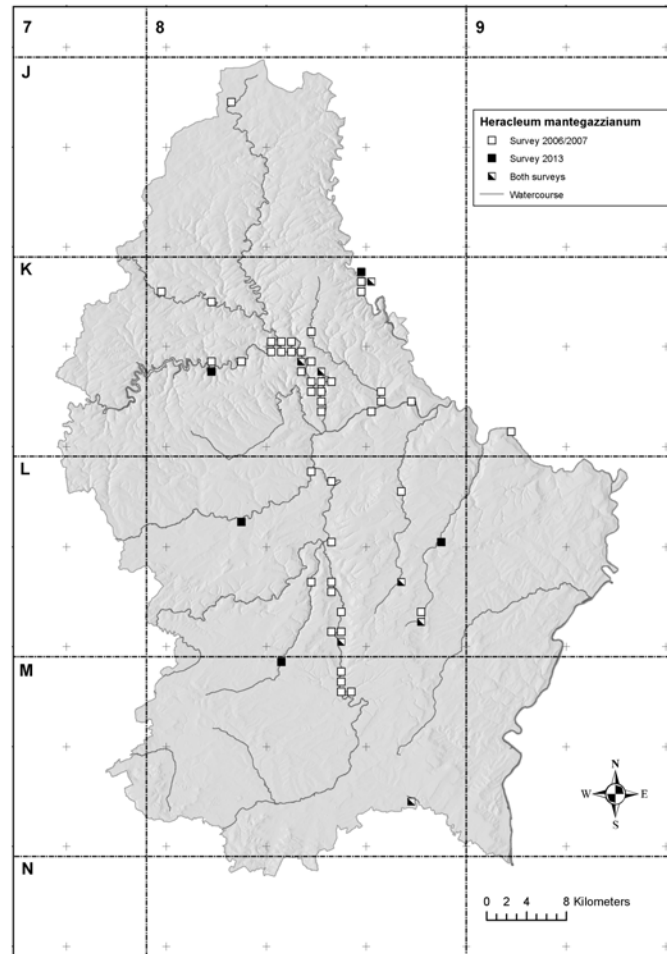


Fig. 7. Distribution of *Heracleum mantegazzianum* along the main rivers of Luxembourg in 2006/7 & 2013.

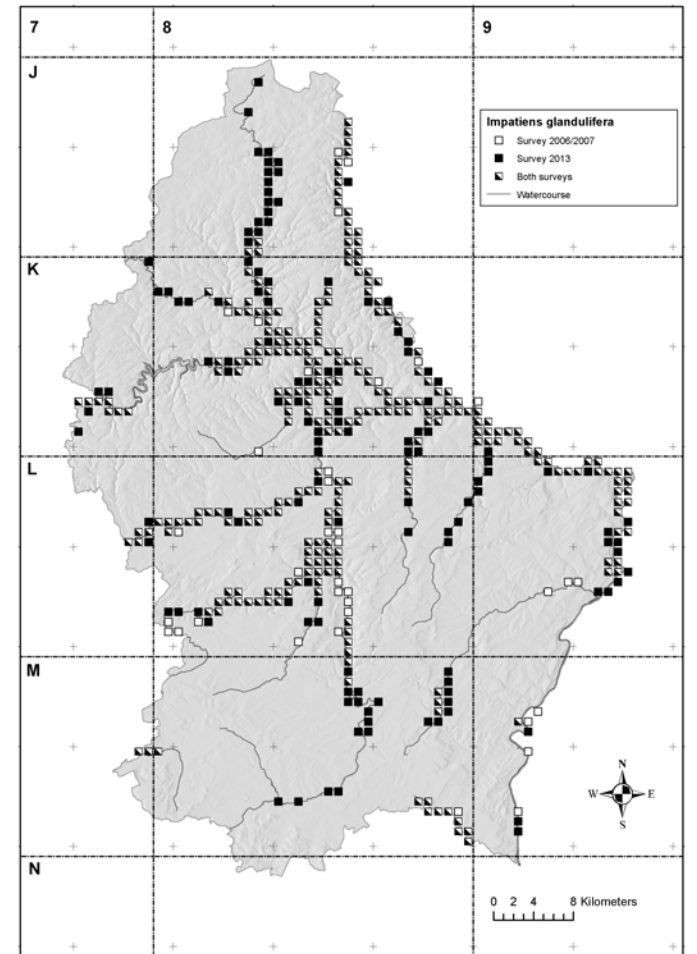


Fig. 8. Distribution of *Impatiens glandulifera* along the main rivers of Luxembourg in 2006/7 and 2013.

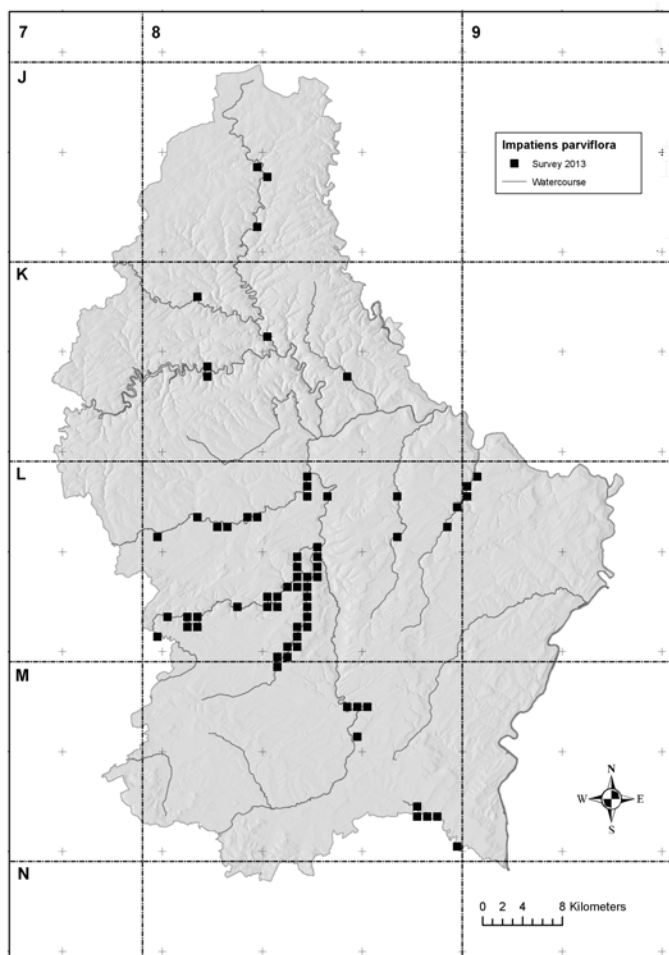


Fig. 9. Distribution of *Impatiens parviflora* along the main rivers of Luxembourg (2013)

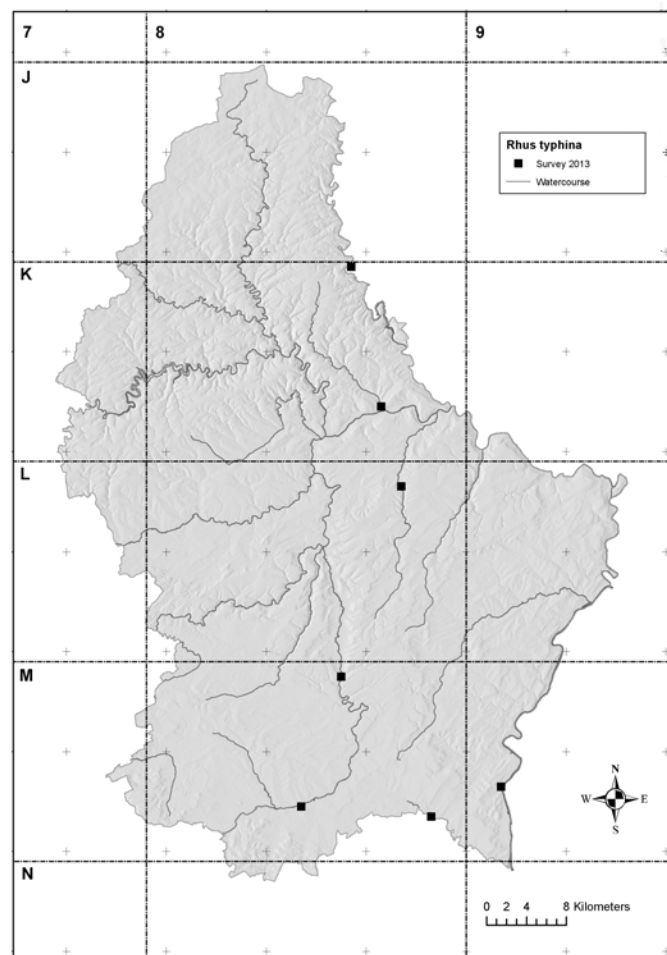


Fig. 10: Distribution of *Rhus typhina* along the main rivers of Luxembourg (2013)

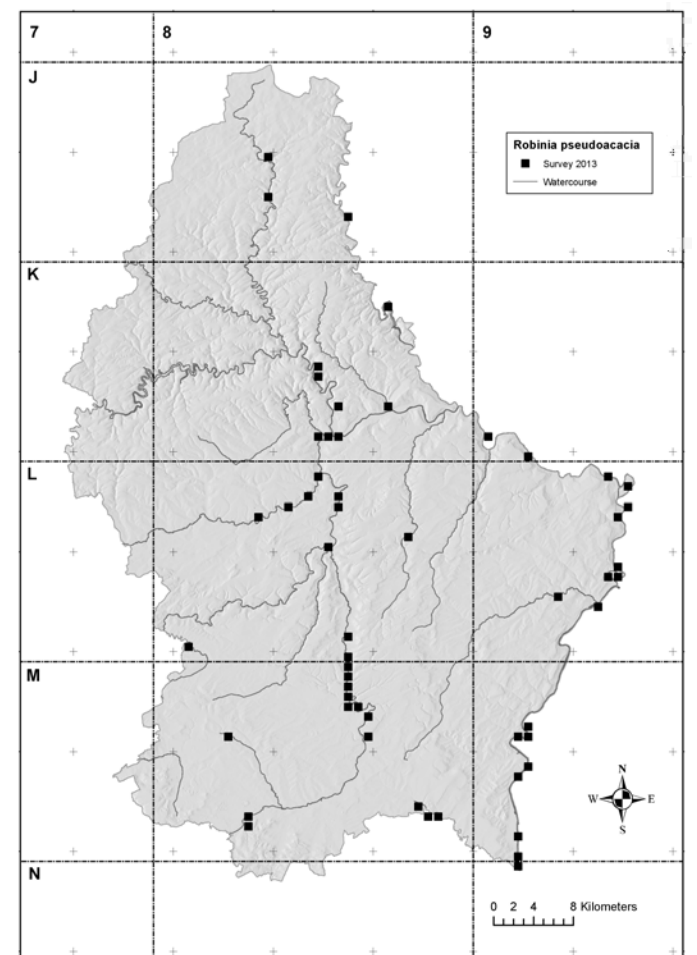


Fig. 11. Distribution of *Robinia pseudoacacia* along the main rivers of Luxembourg (2013)



*Impatiens glandulifera*



*Impatiens parviflora*



*Rhus typhina*



*Robinia pseudoacacia*