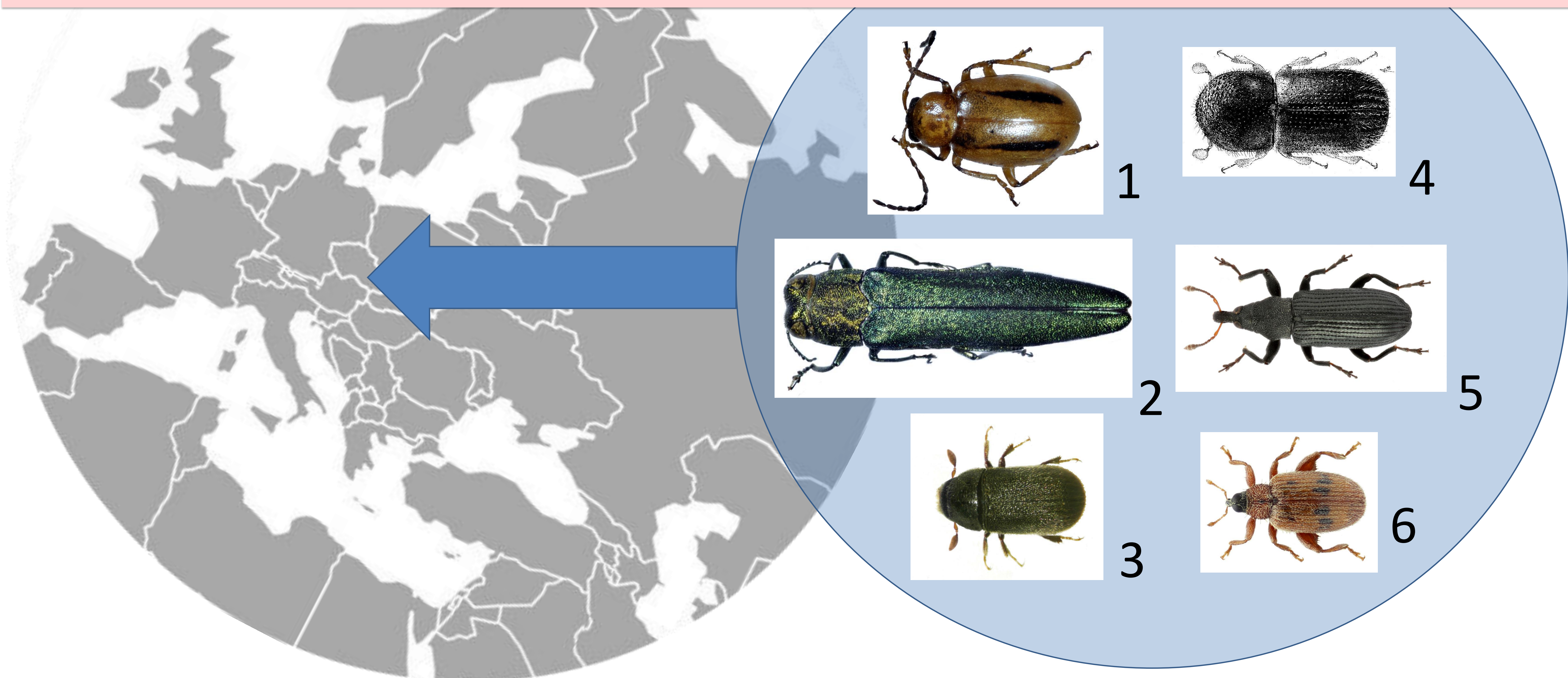


Six-legged invaders coming from the east! *Agrilus planipennis* and five other alien beetle pest species entering Europe through European Russia



Our research group has compiled the first inventory of alien beetles of European Russia (ER) (<https://www.researchgate.net/publication/334279194> Inventory of alien beetles of European Russia). So now we know almost everything about 174 alien beetle species established in ER: their biology, invasion pathways, native ranges, current ranges, economic impact, years of the first detection in Europe and in ER etc. At least 33 species entered other European counties through ER.

Six pest species first appeared in Europe in ER in the 21st century. These Asian pests can spread to other European countries soon. It is very important to study their ecology, mechanisms of spread and other features before their invasion to other countries.

1. *Medythia nigrobilineata*. Major pest of soy beans in Asia. Record in Europe: 2016 ER. Pathways: soy beans. The species is absent in EASIN.
2. *Agrilus planipennis*. Devastating stem pest of ash trees (*Fraxinus* spp.). Records in Europe: 2003 ER, 2019 Ukraine. Pathways: package from ash wood, ash seedlings.
3. *Anisandrus maiche*. Minor polyphagous stem pest of trees. Records in Europe: 2007 ER and Ukraine. Pathways: wood and seedlings of deciduous trees.
4. *Polygraphus proximus*. Devastating stem pest of *Abies* spp. Record in Europe: 2006 ER. Pathways: wood of *Abies* spp. The species is absent in EASIN.
5. *Magdalis angulicollis*. Pest of *Ribes nigrum*, *R. rubrum* and *Grossularia uva-crispa* (damage leaves and shoots). Record in Europe: 2012 ER. Pathways: seedlings of *Ribes* spp., *Grossularia uva-crispa*. The species is absent in EASIN and EPPO.
6. *Orchestes steppensis*. Minor pest of *Ulmus* spp. (leaf miner). Record in Europe: 2005 ER. Pathways: seedlings of *Ulmus pumila*. The species is absent in EASIN.

Asian pests often enter
Europe through European
Russia.

Therefore study on alien
insects of European Russia is
very important for the whole
Europe.



We are interested to
participate in international
projects on alien insects!

Marina Orlova-Bienkowskaja
Andrzej Bienkowski
marinaorlben@yandex.ru,
bienkowski@yandex.ru