



INSTALLATION OF THE BIRD PROTECTION MEASURES ON THE HIGH VOLTAGE ELECTRICITY TRANSMISSION GRID IN LITHUANIA

Nr. LIFE13 BIO/LT/001303

www.birds-electrogrid.lt

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2015-11-18, Budapest

PROJECT LOCATION: Whole area of Lithuania
(**existing** national high voltage overhead electricity grid)

PROJECT DURATION: 2014-06-01 - 2018-07-31

PROJECT IMPLEMENTORS:

Coordinated beneficiary:

Lithuanian Ornithological Society

Associated beneficiary:

AB „LITGRID“ – National high voltage electricity grid operator

PROJECT BUDGET: ~ 1,5 mln. Eur

PROJECT FINANSED BY:

EK – 50%

Lithuanian MoE– 24,34 %

Project partners – 25,66 %

Project aims:

- Improve the conservation status bird species, through the reduction of their collisions with high voltage overhead electricity transmission lines, and bird electrocution
- Support breeding population of the Common Kestrel and other falcon species, through the installation of artificial nesting sites

MAIN EU POLICY(IES) TARGETED:

EU Bird Directive (2009/147/EC) – main focus on Article 5 (protection against deliberate killing)

Project is implementing 22 actions in total:

- 3 preparatory actions, focused on the implementation of the practical conservation actions: A.1-A.3;
- 4 practical conservation actions : C.1-C.4;
- 2 monitoring actions: D.1-D.2;
- 8 public awareness and dissemination actions: E.1-E.8;
- 5 project administration and communication actions: F.1-F.5.

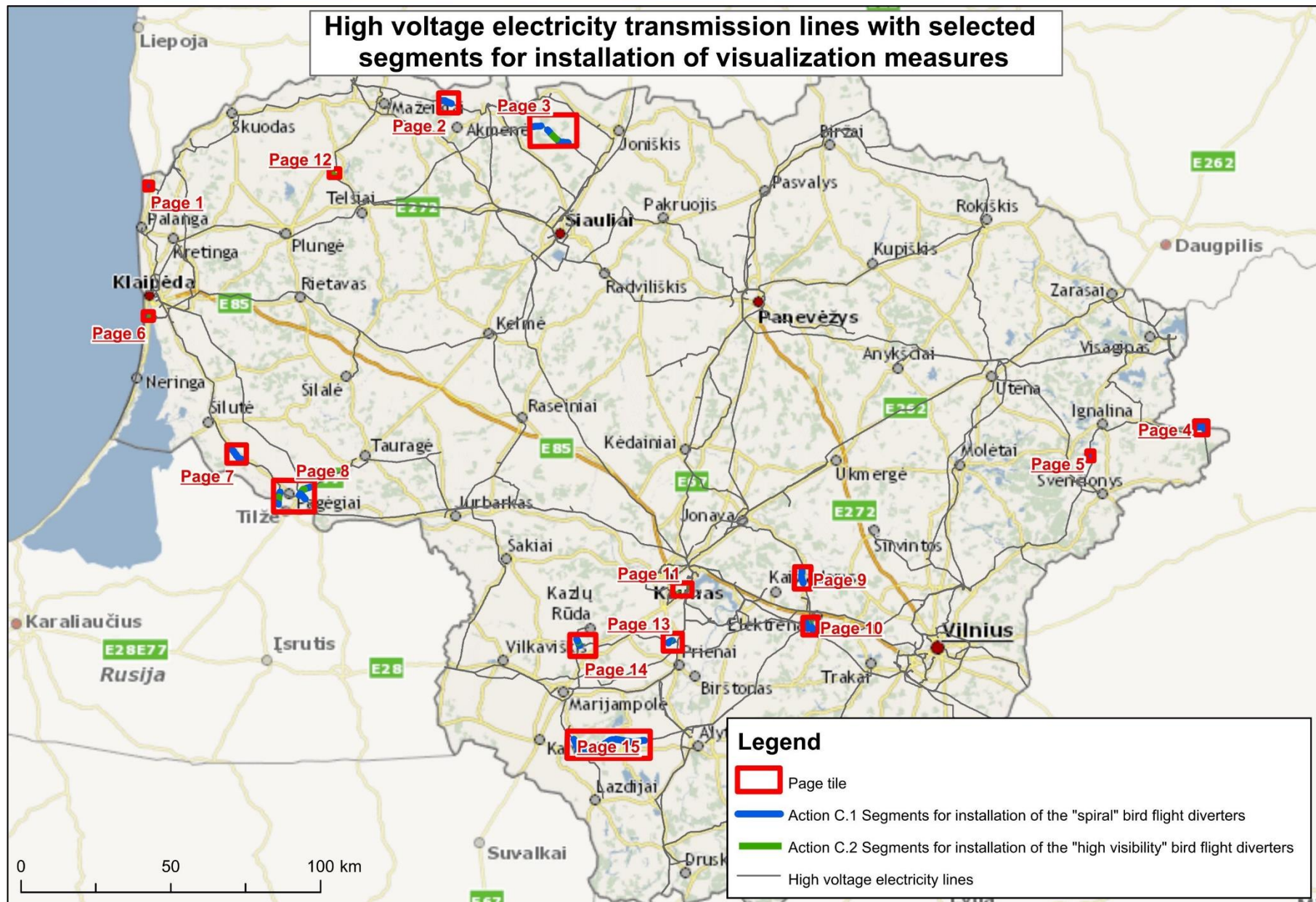
■ MAIN PRACTICAL ACTIVITIES:

- Installation of high visibility wires markers on the transmission powerlines in the most sensitive bird areas in Lithuania (best practices)
- Installation of bird protection measures against electrocution on poles within high voltage electricity grid in Lithuania (innovative action)
- Erection of the nest-boxes for falcons (innovative for Baltic countries)
- Monitoring for the evaluation of the project effectiveness
- Awareness with dissemination of innovative actions on the reduction of bird mortality – international seminar, film, project technical report, media, info stands, etc.

■ EXPECTED RESULTS:

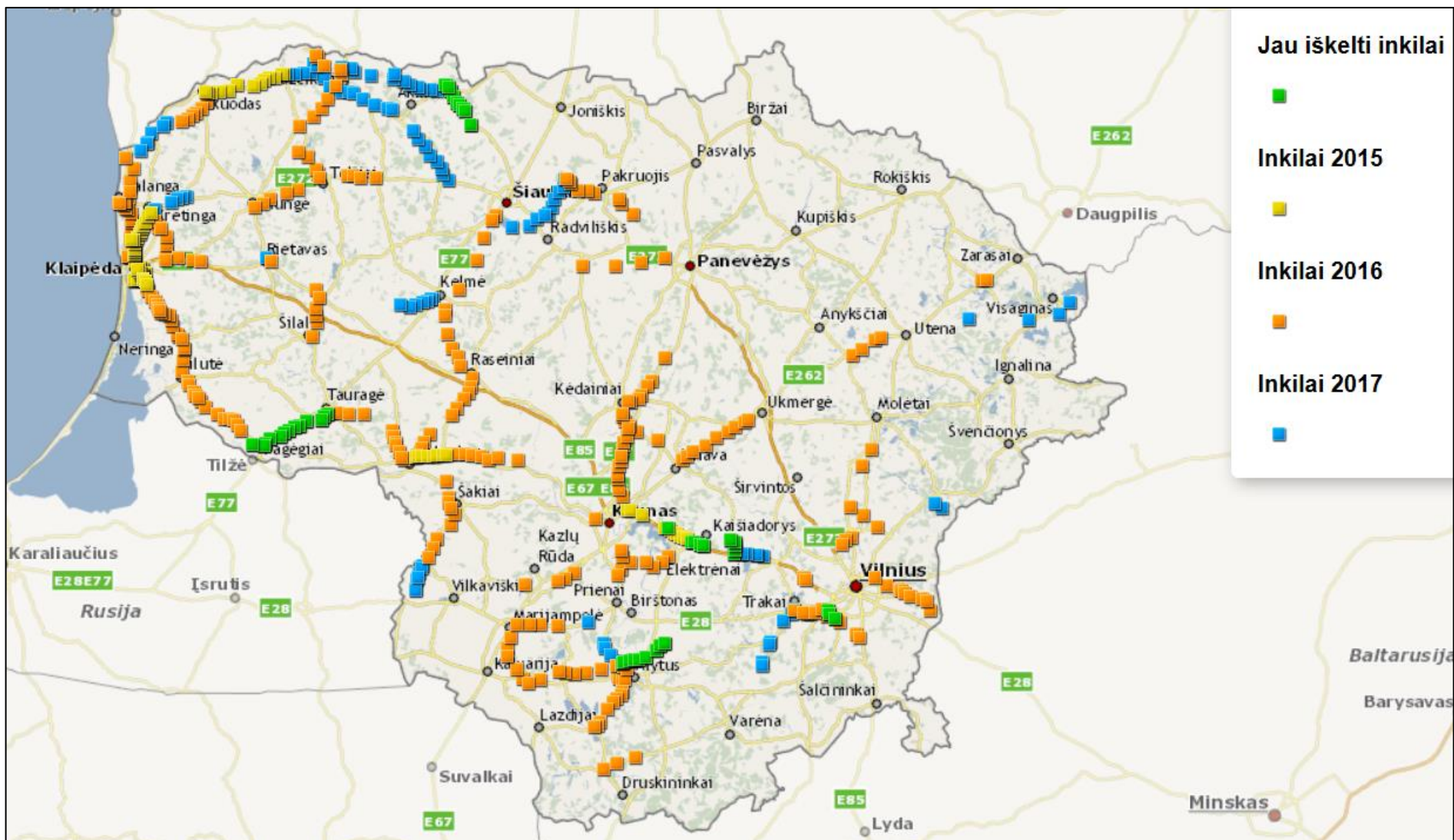
- 7,100 “spiral” type and 1,500 high visibility wires markers – bird flight diverters on the at least 108 km length electric lines wires within high voltage electricity transmission grid on the 29 selected sites (15+14)
- 6,000 “Wishbone” and 6,000 “Saucer” type installations on the 1,200 poles
- 500 nest-boxes for falcons on electricity line pylons around whole country
- A lot of dissemination products

High voltage electricity transmission lines with selected segments for installation of visualization measures



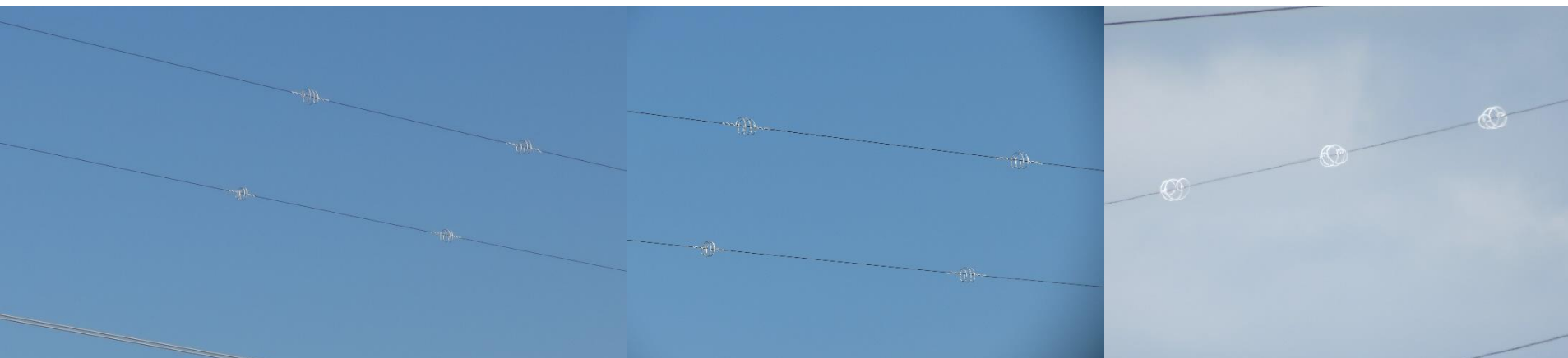
A.1 – A.3 PREPARATORY ACTIONS

- **A.1 Elaboration of the measures for wires marking and bird protection on the utility poles of the high voltage overhead powerlines** – decided partly white and red colors of flight diverts and „spiral“ type wires visualization;
- **A.2 Elaboration of national scheme for bird protection on the utility poles within high voltage electricity transmission grid in Lithuania** – precise places (at certain pole level) for installation of the „Wishbone“ and „Saucer“ devices;
- **A.3 Elaboration of nest-boxes installation scheme for falcons in Lithuania** – precise places (1 km precision) for installation of the nest-boxes



C.1 INSTALLATION OF BIRD COLLISION MITIGATION MEASURES ON THE TRANSMISSION POWERLINES IN THE IMPORTANT BIRD STAGING AREAS IN LITHUANIA

By the 1st September 2015, 922 „spiral“ type wires **visualisation measures** are installed already.



C.2 INSTALLATION OF HIGH VISIBILITY WIRES MARKERS ON THE TRANSMISSION POWERLINES IN THE MOST SENSITIVE BIRD AREAS IN LITHUANIA

By the 1st September 2015, **565 flight divers** for higher wires visibility are installed already.



C.3 INSTALLATION OF THE BIRD PROTECTION MEASURES ON THE UTILITY POLES WITHIN HIGH VOLTAGE ELECTRICITY TRANSMISSION GRID IN LITHUANIA

By the 1st September 2015, 1601 „saucer“ and 2177 „wishbone“ types bird protection measures on more than 400 poles are installed already.



C.4 ERECTION OF THE NEST-BOXES FOR FALCONS

By the 1st September 2015, **90 nestboxes** for falcons are installed already.

3 of them were occupied in 2015 already, i.e. soon after their installation



D.1 – D.2 PROJECT MONITORING

- **D.1 Monitoring of the project actions:** timeschedule of the actions' implementation, deliverables, milestones, reached indicators;
- **D.2 Ex-ante and post-ante monitoring on the effectiveness of the project conservation actions:** occupation of the falcons' nest boxes, abundance of the electrocution cases (mainly, White storks), number of the collisions on the „hot spots“ (congragations of the migratory and wintering waterbirds, cranes, raptors)