

# Protection of Globally Threatened Pear Species - an Integrated Conservation Example from Armenia

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Territory of Armenia belongs to one of the most ancient areas of origin and development of agriculture where crop wild relatives are represented in great number of forms.





# Wild pears of Armenia

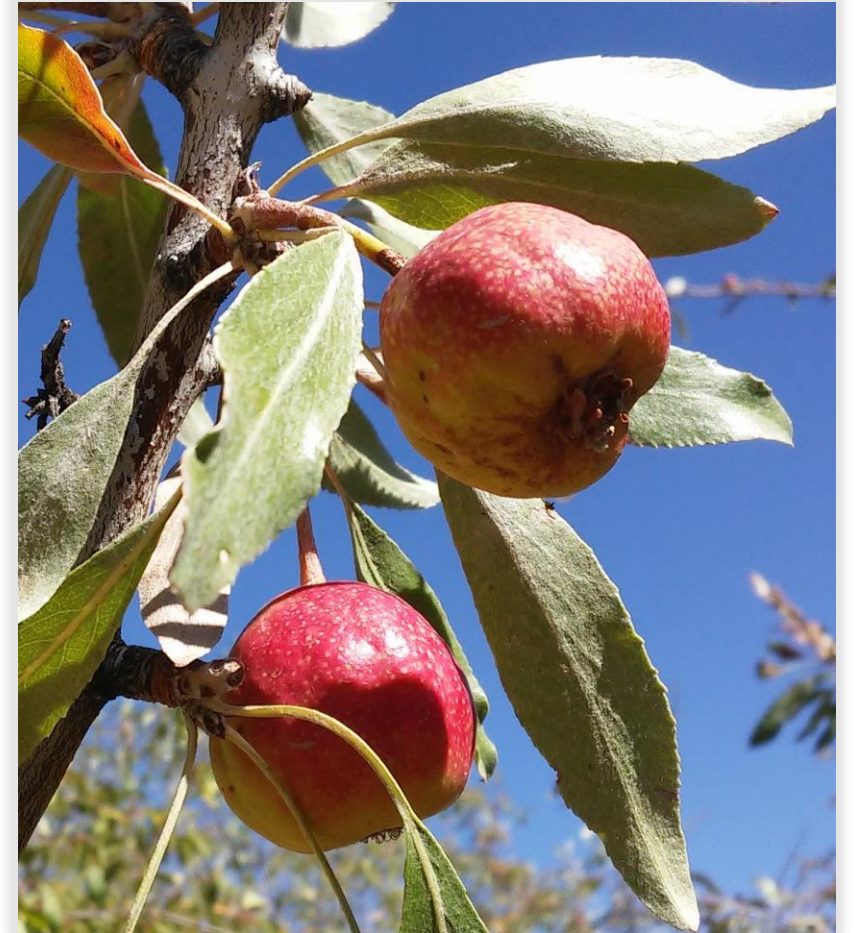
32 species

**12** - endemics of Armenia

**10** - in the **Red Data Book of Armenia**

**10** - in the **IUCN Red List of Threatened Species**

**18** - described from Armenia



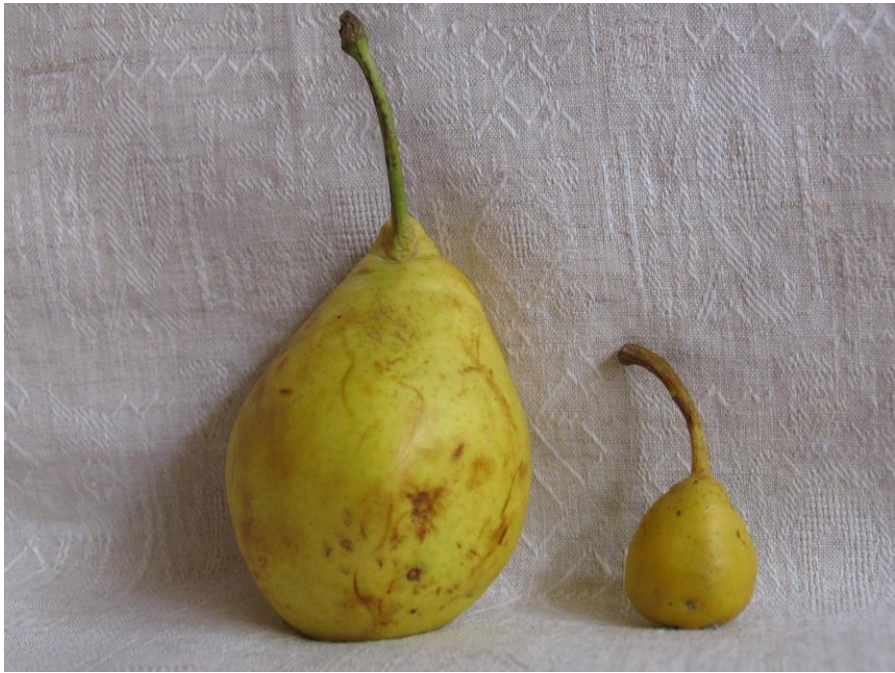
# Diversity of wild pears in Armenia



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*Pyrus salicifolia*





*Pyrus salicifolia*



© Anna Asatryan



*Pyrus caucasica*



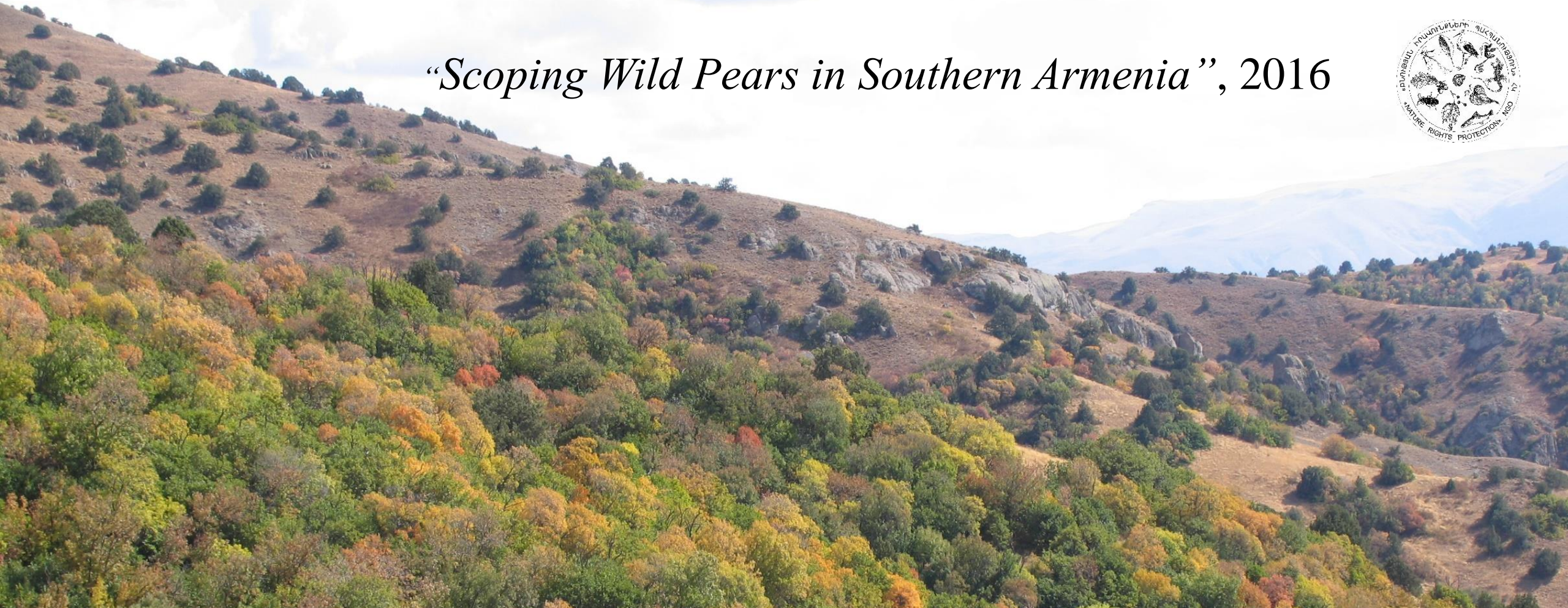


# Wild pears of Armenia: conservation projects

*“Identification of the Pear Species and their Distribution in the Herher State Sanctuary”, 2017-2018*



*“Scoping Wild Pears in Southern Armenia”, 2016*









*“Protection of Threatened Pear Species and Securing Viability of their Populations in Armenia”, 2020-2023*



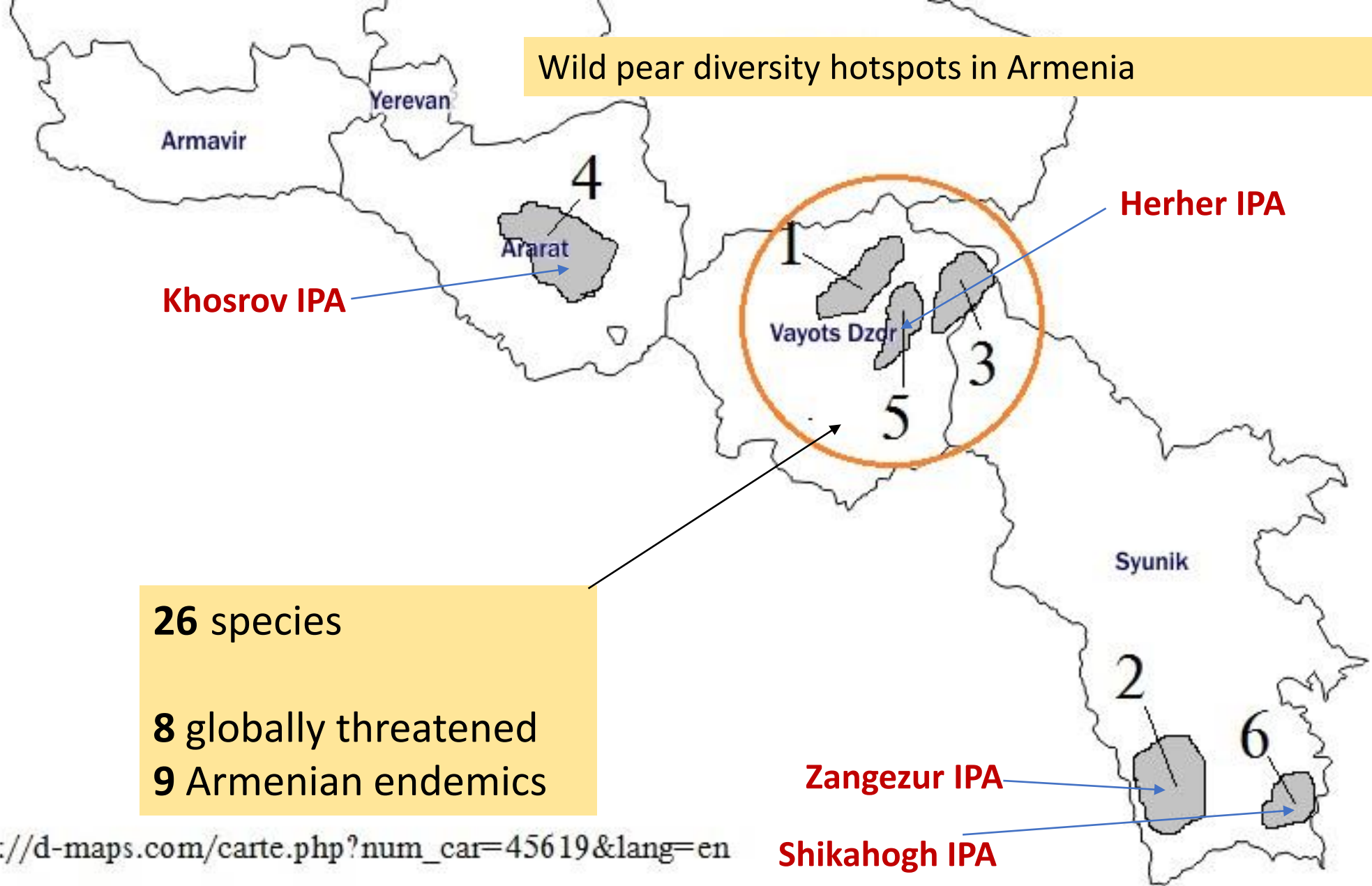


The main goal of the project is protection of five globally threatened endemic pear species in the wild (*in-situ*) through populations' **restoration by reinforcement** and monitoring. The project contributes also to *ex-situ* conservation of the target species through collection and storage of seeds in the seed bank, establishment of nurseries and through enrichment of the living collection in Yerevan Botanical Garden.





## Wild pear diversity hotspots in Armenia



**26 species**  
**8 globally threatened**  
**9 Armenian endemics**

[https://d-maps.com/carte.php?num\\_car=45619&lang=en](https://d-maps.com/carte.php?num_car=45619&lang=en)



*Pyrus gergerana*  
CR





*Pyrus daralagezi*

EN





*Pyrus hajastana*

EN



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*Pyrus tamamschianae*

EN





*Pyrus sosnovskyi*

EN







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Community ‘pear caretakers’ receive specialist training in nursery management and monitoring.





The backyard nurseries are designed to produce and sell saplings of different wild tree species to get an income for further field surveys and monitoring of the threatened pear populations.





# Wild pear propagation in Yerevan Botanical Garden









## The partners/contributing organizations



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REPUBLIC OF ARMENIA  
MINISTRY OF ENVIRONMENT



INSTITUTE OF BOTANY NAS RA  
ԿԵԿԱՆ ԲՈՒՄԱՐԱՆՈՒԹՅԱՆ ԻՆՏԻՏՈՒՏ

## The organizations, which supported our work



FAUNA & FLORA  
INTERNATIONAL



GLOBAL TREES  
CAMPAIGN



ԿԵՆԱՍՐԱՆՆԵՐԻ ՀԱՅԿԱԿԱՆ ՍՈՒԹՅՈՒՆ  
ARMENIAN SOCIETY OF BIOLOGISTS

Plantlife



Franklinia  
FOUNDATION



The Rufford  
Small Grants Foundation



PLANTA · EUROPA



*Thank you!*

