

# How threatened are the world's maples? Preparing The Red List of Maples

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**IUCN/SSC Global Tree Specialist Group**  
**Morton Arboretum 2015**



**GLOBAL TREES**  
**CAMPAIGN**



# IUCN Red List assessment: an estimate of **extinction risk**

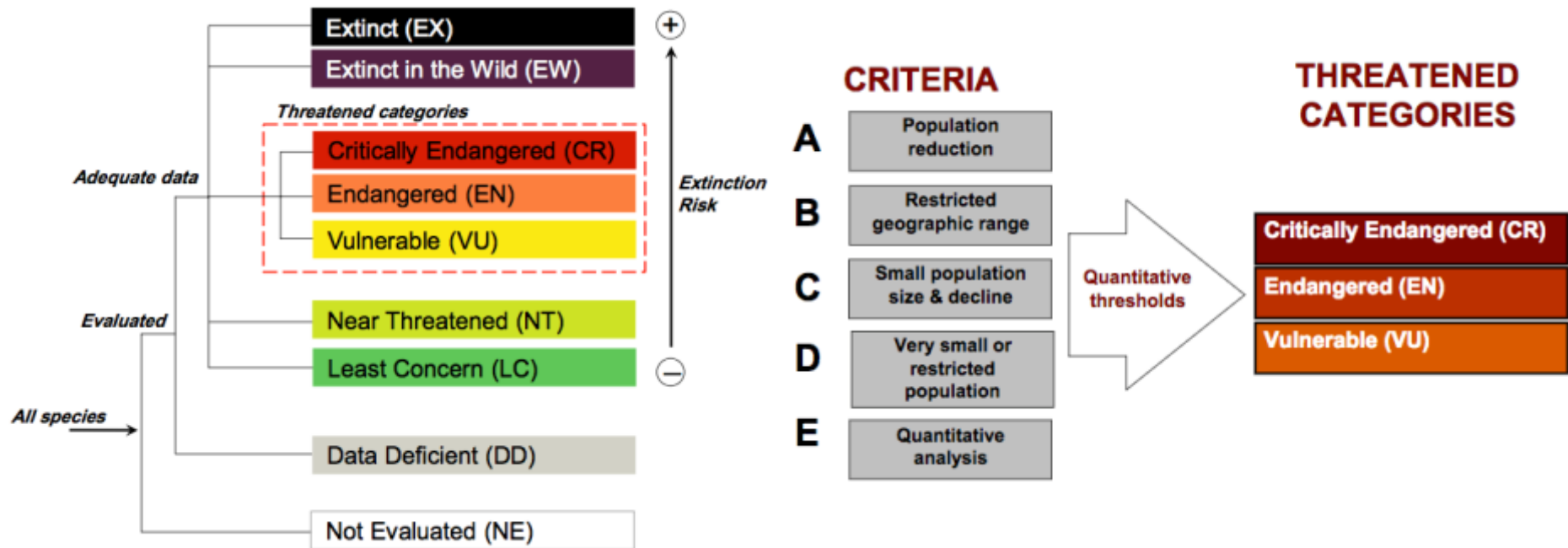
What is the likelihood of a species becoming extinct in the near future, given current knowledge about **population trends, range, and recent, current or projected threats?**

*It is not a list of species that are priorities for conservation action*



Illustration copyright Bob Diven

# The IUCN Red List



# Global Tree Assessment



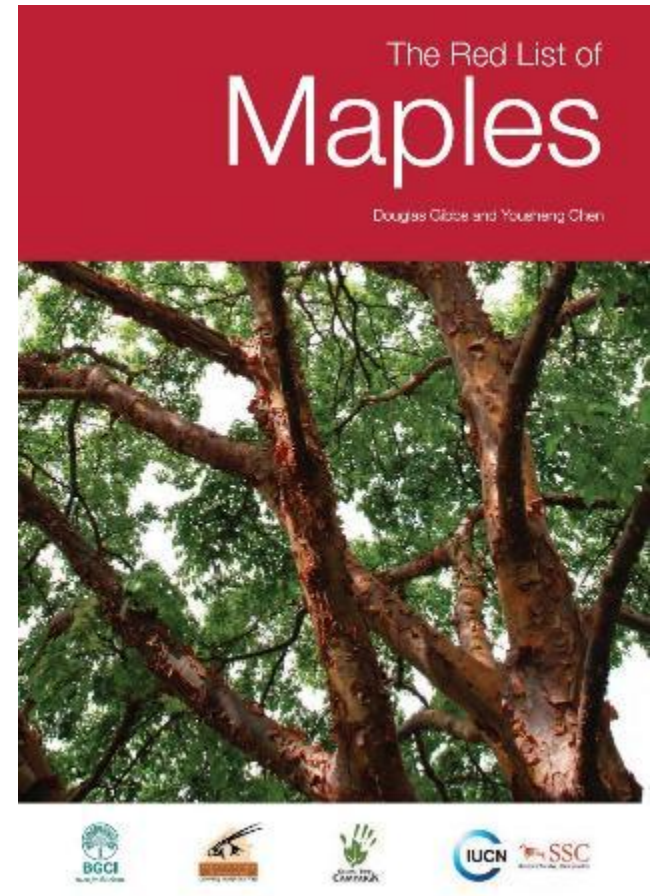
Conservation assessments  
of all tree species by 2020

- Conservation assessments of the status of plants in the wild help to inform and prioritise conservation efforts

# Maples - why now?



- 162 species being assessed in total
- New information
- New species assessed



# Maple assessments – some considerations



- Taxonomic approach
  - largely based on regional floras
- Assessments currently to species level



# The process of red listing



- Distribution
  - Altitudinal limits
  - Countries of occurrence
  - Map
- Population
  - Trends
- Habitats and Ecology





# The process of red listing



- Use and Trade
- Threats
- Conservation
  - Subject to ex/in-situ conservation?



# Maple assessments –



where are we?

- European ✓  
11 species assessed
- Timbers ✓  
16 species assessed  
(non. European, non  
Vietnamese)
- Vietnamese  
10 species assessed  
(excl. timbers)
- North and Central  
America ✓  
1 species (excluding  
timbers!)
- + 7 LC workflow



# 2009 vs 2017 so far



(46 assessments)...

2 x DD in 2009 now LC (*A. heptaphlebium*; *A. pentapomicum*)

1 x VU in 2009 now LC (*A. granatense*)

2 x NT in 2009 now LC (*A. lobelii*; *A. tonkinense*\*)

36 species remain as assessed in 2009

4 new assessments (3 LC, 1 CR)



# Updated assessments online



The IUCN Red List of Threatened Species™ 2016-3

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START SPECIES START TAXONOMY (VULNERABLE) ENDANGERED OFFICIAIY ENDANGERED EXTINCT IN THE WILD EXTINCT

Intensive agriculture and wildfires threaten over a quarter of Europe's grasshoppers and crickets  
09 February 2017 - Over a quarter of European grasshopper, cricket and bush cricket species are being driven to extinction by unsustainable agricultural practices and the growing frequency of wildfires in Europe, a new IUCN study reveals. [more](#)

German resolution reaffirms IUCN's position on the international stage  
26 January 2017 - The German government has officially recognised IUCN, the International Union for Conservation of Nature, as an intergovernmental organisation, reaffirming the Union's important role on the global stage. [more](#)

World Wetlands Day: Restoring resilience and collaboration to reduce disaster risk  
26 January 2017 - On February 2nd the world celebrates its wetlands – complex ecosystems that provide a wide variety of services and benefits for people and nature. Yet wetlands are in danger. [more](#)

New Red List reveals European habitats under threat  
24 January 2017 - For the first time, a total of 450 habitats across 35 countries in Europe have been assessed to determine their risk of collapse. The European Red List of Habitats, initiated by the European Commission, [more](#)

First signs of seahorses and pipefishes decline in the Mediterranean  
23 January 2017 - For the first time, 54 seahorses, pipefishes, and sturgeon-like fish in the Mediterranean Sea were assessed for the IUCN Red List of Threatened Species. Seahorses are unique fish species that [more](#)

NYUNGWE JUNGLEWATCHER  
*Aodythia nyungwe*  
© André Gauthier

Amazing Species

1 like Lucas Moraes and 156K others like this.

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# Where next?...



2017 International Maple Symposium  
Roscoff

24-29 October

Maple Red Listing Workshop 24 October 14:00-18:00

[www.maplesociety.org](http://www.maplesociety.org)



# 2017 International Maple Symposium, Roscoff



## October 25th: Maple Species

**Maples of the Hoang Lien Mountains** - Dan Crowley, Westonbirt, The National Arboretum

**Chinese Maples** - Wiebang Sun, Kunming Botanic Garden, China,

**Iranian Maples** - Azad Rastegar, Tehran University

**Better understanding the diversity and distributions of North American maples** - Dr. A.J. Harris, Smithsonian Institute, Washington

**Roundtable on current views on species listing and ways forward.** Dr. Koen Camelbeke, Arboretum Wespelaar, Chair and moderator. Including the morning speakers and Tony Aiello, Bill McNamara and Piet de Jong

Followed by afternoon garden tours



# 2017 International Maple Symposium, Roscoff



## October 26th: Maple Cultivars

***Acer pentaphyllum* Conservation Project** - Dr. Bill McNamara, Quarryhill Botanical Garden, California

***Acer griseum* Conservation Project** - Dr. Tony Aiello, Morris Arboretum, Philadelphia

**Survey of Maple Cultivars Recently Introduced and Assessment of their Performance** - Ed Shinn, Maple collector

**Maple Cultivar Groupings: an Update** - Cor van Gelderen, Esveld Nurseries

**Roundtable on Cultivar classifications and registration.** With Dr. Agustin Coello-Vera, Chairman International Maple Society, chair and moderator. Including Cor van Gelderen, Ed Shinn, Hugh Angus, Matt Nichols, Emery Davis and more

Followed by afternoon garden tours



# 2017 International Maple Symposium, Roscoff



**October 27-29th: Post Symposium Garden  
Tours**

**Including:**

Maple collection of Emery Davis

L'étang de l'Aunay

Le Vastérival

Jardin du Mesnil

Jardin de Valérianes

