

ATLAS FLORAE EUROPAEAE

DISTRIBUTION OF VASCULAR PLANTS IN EUROPE

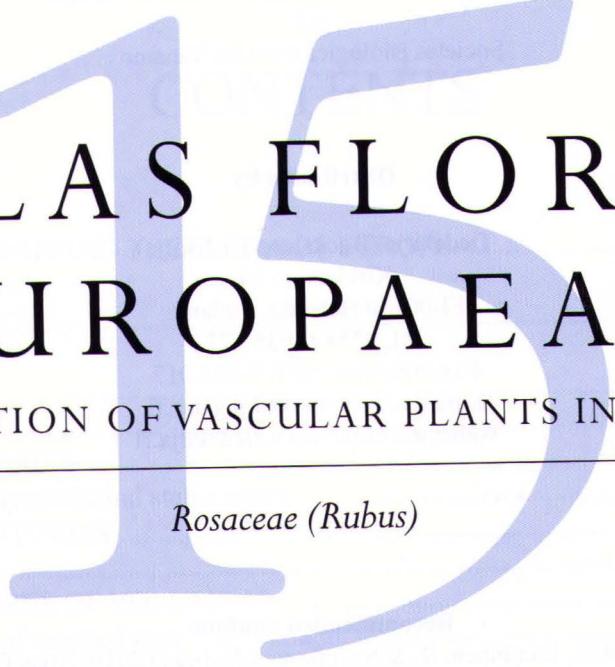
Rosaceae (*Rubus*)

Edited by

ARTO KURTTO, HEINRICH E. WEBER, RAINO LAMPINEN & ALEXANDER N. SENNIKOV

on the basis of team-work of European botanists

HELSINKI 2010



ATLAS FLORAE EUROPAEAE

DISTRIBUTION OF VASCULAR PLANTS IN EUROPE

Rosaceae (*Rubus*)

This volume contains distribution maps of all species of Rubus occurring in Europe. It is the fifth volume of the *Atlas Flora Europaea*, which presents the distribution of all vascular plants in Europe. The *Atlas* is based on a team-work of European botanists. The maps are drawn by specialists in each family. The maps are based on herbarium material and literature. The maps are drawn by specialists in each family. The maps are based on herbarium material and literature.

Edited by

ARTO KURTTO, HEINRICH E. WEBER, RAINO LAMPINEN & ALEXANDER N. SENNIKOV
on the basis of team-work of European botanists



HELSINKI 2010

CONTENTS

THE COMMITTEE FOR MAPPING THE FLORA OF EUROPE	4
PREFACE	7
INTRODUCTION	9
1. GRID SYSTEM	9
2. STATUS CATEGORIES	9
2.1. Mapping symbols and status signs	9
3. MAPPING TERRITORIES	9
4. TEXT SECTIONS	10
5. SPECIAL FEATURES OF VOLUME 15	11
5.1. Selection of mapped taxa	11
5.2. Order of subdivisions of the genus and species	11
5.3. Chorological statistics	11
5.4. Taxonomic statistics	12
5.5. Deviations from Flora Europaea	16
5.6. Abbreviations for frequently quoted literature	26
6. TAXONOMIC TREATMENT OF BRAMBLES AND PRESENT STAGE OF BATOLOGICAL RESEARCH IN EUROPE	28
6.1. Apomixis and former taxonomic treatments of brambles	28
6.2. Modern <i>Rubus</i> taxonomy	29
6.3. Present stage of batological research in European territories	31
ROSACEAE (cont.)	33
<i>Rubus</i>	33
STATUS OF THE TAXA IN THE MAPPING TERRITORIES	317
ATLAS FLORAE EUROPAEAE NOTES 1–16	348
INDEX	349

THE COMMITTEE FOR MAPPING THE FLORA OF EUROPE

SECRETARIAT, HELSINKI

P. UOTILA (Chairman of the Committee)
 A. KURTTO (Editor-in-Chief)
 A. SENNIKOV (Secretary)

ADVISERS

T. AHTI, Helsinki
 V.I. CZOPYK, Kiev
 J. EDMONDSON, Liverpool
 W. GREUTER, Berlin / Palermo
 †E. MAYER, Ljubljana
 P. MONTSERRAT, Jaca
 H. NIKLFELD, Wien
 V. STEVANović, Beograd
 J. SUOMINEN, Helsinki
 †A. TAKHTAJAN, Sankt-Peterburg

COMMITTEE MEMBERS ACTING AS REGIONAL COLLABORATORS

Albania (Al)
 L. SHUKA, Tirana
Additional material provided by:
 A. KURTTO, Helsinki

Austria (Au)
 W. MAURER, Graz
 H. NIKLFELD, Wien
Additional material provided by:
 H.E. WEBER, Bramsche

Azores (Açores) (Az) – See Portugal

Balearic Islands (Islas Baleares) (Bl) – See Spain

Belarus (By)
 D.V. DUBOVIK, Minsk
 D.I. TRETJAKOV, Minsk
Assisted by:
 L.S. KRASOVSKAYA, Sankt-Peterburg

Belgium (Be (B))

O. HEYLEN, Booischot
 W. VAN LANDUYT, Brussel
 H. VANNEROM, Diest
Additional material provided by:
 A. KURTTO, Helsinki
 A. VAN DE BEEK, Leiden
 H.E. WEBER, Bramsche

Bosnia and Herzegovina (BH) – See Serbia and Montenegro

British Isles (Br, Hb, Channel Islands)
 C.D. PRESTON, Wallingford
Assisted by:
 S.L. AMES, Wallingford
 R.D. RANDALL, Bath
Additional material provided by:
 D.E. ALLEN, Winchester

Bulgaria (Bu)

A.V. PETROVA, Sofia
Assisted by:
 J. ZIELIŃSKI, Poznań

Corsica (Corse) (Co) – See France

Crete (Crito) (Cr) – See Greece

Crimea (Krym) (Uk (K)) – See Ukraine

Croatia (Ct)

A. ALEGRO, Zagreb
Additional material provided by:
 H.E. WEBER, Bramsche

Czech Republic (Cs)

P. HAVLÍČEK, Praha
 †J. HOLUB, Průhonice
 B. TRÁVNÍČEK, Olomouc
 J. ZÁZVORKA, Průhonice
 V. ŽÍLA, Strakonice
Assisted by:
 I. BÍLEK, Chomutov
 K. ČÍZEK, Klatovy
 M. DANČÁK, Olomouc
 J. HADINEC, Praha
 P. HRBÁČ, Brno
 M. LEPŠÍ, Zlatá Koruna

Czechoslovakia (Cs, Sk)

P. LEPŠÍ, Zlatá Koruna
 M. MAREK, Praha
 A. PEČINKA, Olomouc
 R.J. VAŠUT, Olomouc

Denmark (Da, Fa)

A.M. FOSAA, Tórshavn (Fa)
 H. ÆRENLUND PEDERSEN, København

Estonia (Es)

T. KUKK, Tartu

Faeroe Islands (Færöer) (Fa) – See Denmark

Finland (Fe)

A. KURTTO, Helsinki

France (Co, Ga)

J.-J. LAZARE, Bayonne
Assisted by:
 P. DARDAIN, Vandoeuvre-lès-Nancy
 D. JEANMONOD, Genève (Co)
 D. JORDAN, Lully
 D. MERCIER, Bailleul
 J.-M. ROYER, Chaumont
Additional material provided by:
 D.E. ALLEN, Winchester
 O. HEYLEN, Booischot
 A. KURTTO, Helsinki
 P. MONTSERRAT, Jaca
 A. VAN DE BEEK, Leiden
 H. VANNEROM, Diest
 H.E. WEBER, Bramsche

F.Y.R.O.M. or The Former Yugoslav Republic of Macedonia (Mk) – See Serbia and Montenegro

Germany (Ge)

F. FÜRNROHR, Seubersdorf
 H. HENKER, Neukloster
 W. JANSEN, Itzehoe
 H. KIESEWETTER, Crivitz
 L. MEIEROTT, Gerbrunn
 G. STOHR, Eberswalde
 H.E. WEBER, Bramsche
Additional material provided by:
 A. VAN DE BEEK, Leiden

Greece (Cr, Gr)
A. STRID, Ørbæk

Hungary (Hu)
G. KIRÁLY, Sopron
Additional material provided by:
A. KURTTO, Helsinki
W. Maurer, Graz
B. TRÁVNÍČEK, Olomouc
H.E. WEBER, Bramsche
V. ŽÍLA, Strakonice

Iceland (Is)
E. EINARSSON, Reykjavik

Ireland (Hb) — See British Isles

Italy (It, Sa, Si (S)) and
Malta (Si (M))

M. RAFFAELLI, Firenze
M.R. BALDINI, Firenze
P. CUCCINI, Firenze
Assisted by:
P.V. ARRIGONI, Firenze
M. BRENTAN, Padova
F. CONTI, Camerino
S. FASSETTI, Potenza
F. FESTI, Rovereto
S. GENTILE, Genova
M. IBERITE, Roma
L. LASTRUCCI, Firenze
E. LATTANZI, Roma
V. LA VALVA, Napoli
R. MARCUCCI, Padova
S. PECCENINI, Genova
A. PIROLA, Pavia
A. PISTARINO, Torino
L. POLDINI, Trieste
F. PROSSER, Rovereto
F.M. RAIMONDO, Palermo
A. SANTANGELO, Napoli
E. SCASSELATI, Barisciano (AQ)
C. SINISCALCO, Torino
N. TORNADORE, Padova
Additional material provided by:
A. VAN DE BEEK, Leiden
H.E. WEBER, Bramsche

Kazakhstan (European part) (Kaz)
Material provided by:
A. KURTTO, Helsinki

Latvia (La)
G. GAVRILOVA, Salaspils

Lithuania (Lt)
Z. GUDŽINSKAS, Vilnius

Luxembourg (Be (L))
T. HELMINGER, Luxembourg
Additional material provided by:
O. HEYLEN, Booischot

A. VAN DE BEEK, Leiden
H. VANNEROM, Diest
H.E. WEBER, Bramsche

Malta (Si (M)) — See Italy

Moldova (Mo)
M. MÂRZA, Chișinău

Netherlands (Ho)
A. VAN DE BEEK, Leiden
Assisted by:
R.-J. BIJLSMA, Wageningen
R. HAVEMAN, Wageningen
K. MEIJER, Noordwolde
A. TROELSTRA, Amsterdam
Additional material provided by:
H.E. WEBER, Bramsche

Norway (No, Sb)
O. PEDERSEN, Oslo
Assisted by:
B.P. LØFALL, Oslo

Poland (Po)
A. ZAJĄC, Kraków
M. ZAJĄC, Kraków
J. ZIELIŃSKI, Poznań
Assisted by:
P. KOSIŃSKI, Poznań
K. OKLEJEWICZ, Rzeszów

Portugal (Az, Lu)
A.X.P. COUTINHO, Coimbra
Assisted by:
C. AGUIAR, Bragança
R. ALMEIDA DA SILVA, Porto
P.J. ALVES, Porto
P. CARDOSO DA SILVEIRA, Aveiro
J.D. DE ALMEIDA, Coimbra
A.L. CRESPI, Vila Real
J.P. HONRADO, Porto
L. SILVA, Ponta Delgada (Az)
V. SILVA, Lisboa
Additional material provided by:
A. KURTTO, Helsinki
P. MONTSERRAT, Jaca
A. VAN DE BEEK, Leiden
H.E. WEBER, Bramsche

Romania (Rm)
G. DIHORU, București
Assisted by:
A. DIHORU, București
C. DRĂGULESCU, Sibiu
E. OLTU, București
G. POPESCU, Craiova
I. SÂRBU, Iași
Additional material provided by:
A. VAN DE BEEK, Leiden
H.E. WEBER, Bramsche

Russia (European part)
(Rus (N, Ka, C, E))
N.V. ABRAMOV, Ioshkar-Ola
O.G. BARANOVA, Izhevsk
O.V. BELOVA, Kaliningrad (Rus (Ka))
A.A. BOBROV (Borok)
E.A. BORISOVA, Ivanovo
A.V. CHKALOV, Nizhni Novgorod
V.P. DEDKOV, Kaliningrad (Rus (Ka))
T.V. DEMAKHINA (FILIMONOVA),
Kirovsk

V.V. FEDYAEVA, Rostov-na-Donu
(Rus (E))
D.A. FILIPPOV, Borok
E.A. GLAZKOVA, Sankt-Peterburg
M.A. GOLUBEVA, Ples
A.J. GRIGORJEVSKAYA, Voronezh
I.YU. GUBAREVA, Kaliningrad
(Rus (Ka))

M.S. KNIAZEV, Ekaterinburg
L.S. KRASOVSKAYA, Sankt-Peterburg
A.V. KRAVCHENKO, Petrozavodsk
P.V. KULIKOV, Ekaterinburg
S.R. MAYOROV, Moskva
A.A. MULDASHEV, Ufa
A.A. NOTOV, Tver
L.V. ORLOVA, Sankt-Peterburg
S.A. OVSNOV, Perm
T.I. PLAKSINA, Samara
A.P. SEREGIN, Moskva
E.M. TARASOVA, Kirov
B.YU. TETERYUK, Syktyvkar
L.V. TETERYUK, Syktyvkar
V.M. VASJUKOV, Togliatti (Rus (C))
O.V. ZHUKOVA, Ioshkar-Ola
Additional material provided by:
T. AHTI, Helsinki
A. KURTTO, Helsinki
N.A. SYTSCHAK, Lviv
H.E. WEBER, Bramsche

Sardinia (Sardegna) (Sa) — See Italy

Serbia and Montenegro (SM),
Bosnia and Herzegovina (BH), and
F.Y.R.O. Macedonia (Mk)
V. STEVANOVIC, Beograd
D. PETROVIC, Podgorica (Montenegro)

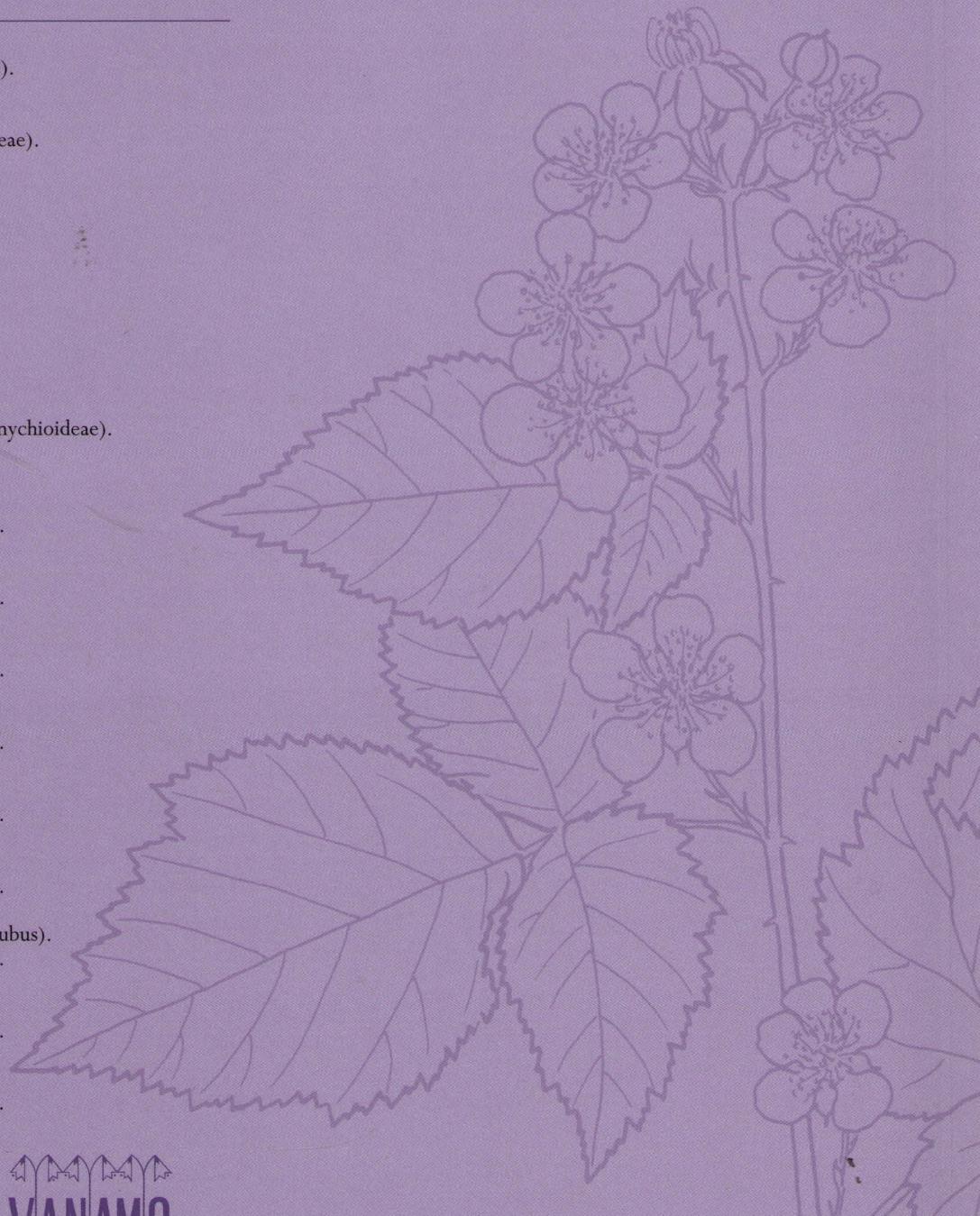
Assisted by:
M. NIKETIĆ, Beograd
G. TOMOVIĆ, Beograd
S. VUKOJIĆ, Beograd
Additional material provided by:
H.E. WEBER, Bramsche

Sicily (Sicilia) (Si (S)) — See Italy

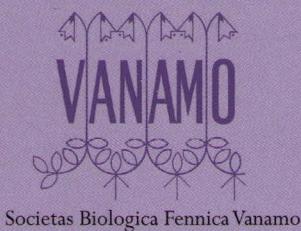
Slovakia (Sk)
K. GOLIAŠOVÁ, Bratislava
H. ŠIPOŠOVÁ, Bratislava
Assisted by:
P. HAVLÍČEK, Praha

ATLAS FLORAE EUROPAEAE

1. Pteridophyta (Psilotaceae to Azollaceae).
Maps 1-150. 121 pp. 1972.
2. Gymnospermae (Pinaceae to Ephedraceae).
Maps 151-200. 40 pp. 1973.
3. Salicaceae to Balanophoraceae.
Maps 201-383. 128 pp. 1976.
4. Polygonaceae.
Maps 384-478. 71 pp. 1979.
5. Chenopodiaceae to Basellaceae.
Maps 479-668. 119 pp. 1980.
6. Caryophyllaceae (Alsinoideae and Paronychioideae).
Maps 669-1011. 176 pp. 1983.
7. Caryophyllaceae (Silenoideae).
Maps 1012-1508. 229 pp. 1986.
8. Nymphaeaceae to Ranunculaceae.
Maps 1509-1953. 261 pp. 1989.
9. Paeoniaceae to Capparaceae.
Maps 1954-2109. 110 pp. 1991.
10. Cruciferae (Sisymbrium to Aubrieta).
Maps 2110-2433. 224 pp. 1994.
11. Cruciferae (Ricotia to Raphanus).
Maps 2434-2927. 310 pp. 1996.
12. Resedaceae to Platanaceae.
Maps 2928-3270. 250 pp. 1999.
13. Rosaceae (Spiraea to Fragaria, excl. Rubus).
Maps 3271-3556. 320 pp. 2004.
14. Rosaceae (Alchemilla and Aphanes).
Maps 3557-3912. 200 pp. 2007.
15. Rosaceae (Rubus).
Maps 3913-4708. 362 pp. 2010.



Botanical Museum
Finnish Museum of Natural History
University of Helsinki



ISBN 978-951-9108-16-2



9 789519 108162

Rubus aureolus Allander