

New developments from the European Scientific Cooperative on Phytotherapy (ESCOP)

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2. ESCOP monographs
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What is ESCOP?

- ✓ **E**uropean **S**cientific **C**ooperative on **P**hytotherapy
- ✓ Umbrella organisation of national associations of phytotherapy and herbal medicine across Europe
- ✓ Founded 18 June 1989 in Cologne (Germany)
- ✓ Aims:
 - Assistance in the harmonisation of the regulatory status of HMPs in Europe
 - Advancement of the scientific status of HMPs



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Lavandula angustifolia

Members

Austria	Österreichische Gesellschaft für Phytotherapie
France	Association Française pour le Médicament de Phytothérapie
Germany	Gesellschaft für Phytotherapie eV
Italy	Società Italiana di Fitochimica (Fitoterapia)
Netherlands	Nederlandse Vereniging voor Fytotherapie
Poland	Polish Herbal Committee
Portugal	Sociedade Portuguesa Fitoquímica e Fitoterapia (SpFito)
Romania	National Inter-Professional Organization of Associations in the Field of Medicinal and Aromatic Plants
Spain	Sociedad Española de Fitoterapia (SEFIT)
Switzerland	Schweizerische Medizinische Gesellschaft für Phytotherapie
Turkey	Turkish Society of Pharmacognosy and Phytotherapy Türk Fitoterapi Dernegi
United Kingdom	British Herbal Medicine Association

Objectives

- Creation of **harmonised criteria** for efficacy and safety.
- **Scientific monographs** on the therapeutic use of herbal drugs.
- **Promotion** of phytotherapy on a European level, especially within general medical practice.
- Strengthen the **cooperation** among national associations of phytotherapy to advance these aims and objectives.



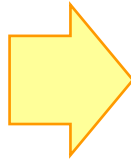
Contents



1. Definition
2. Constituents
3. Clinical particulars
4. Pharmacological properties
5. References

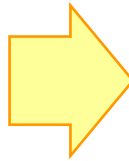
Follow the format of the **Summary of Product Characteristics (SPC)**, which is a part of the application for marketing authorisation of a medicinal product in the EU.

1. Definition
2. Constituents
3. **Clinical particulars**
4. Pharmacological properties
5. References



- *Therapeutic indications.*
- *Posology and method of administration.*
- *Contra-indications.*
- *Special warnings and special precautions of use.*
- *Interactions.*
- *Pregnancy and lactation.*
- *Effects on ability to drive and use machines.*
- *Undesirable effects.*
- *Overdose.*

1. Definition
2. Constituents
3. Clinical particulars
4. **Pharmacological properties**
5. References



- *Pharmacodynamic properties*
In vitro and *in vivo* experiments
Pharmacological studies in humans
Clinical studies
- *Pharmacokinetic properties*
Pharmacokinetics in animals
Pharmacokinetics in humans
- *Preclinical safety data*
Acute toxicity
Chronic toxicity
Mutagenicity, carcinogenicity,
teratogenicity and embryotoxicity
- *Clinical safety data*

Uses

- ✓ Support of applications for marketing authorisation or registration of HMP
- ✓ Support of comments on HMPC-drafts
- ✓ Calculations of dosages in animal studies or clinical studies
- ✓ To substantiate and harmonize indications
- ✓ Teaching in the field of Phytotherapy



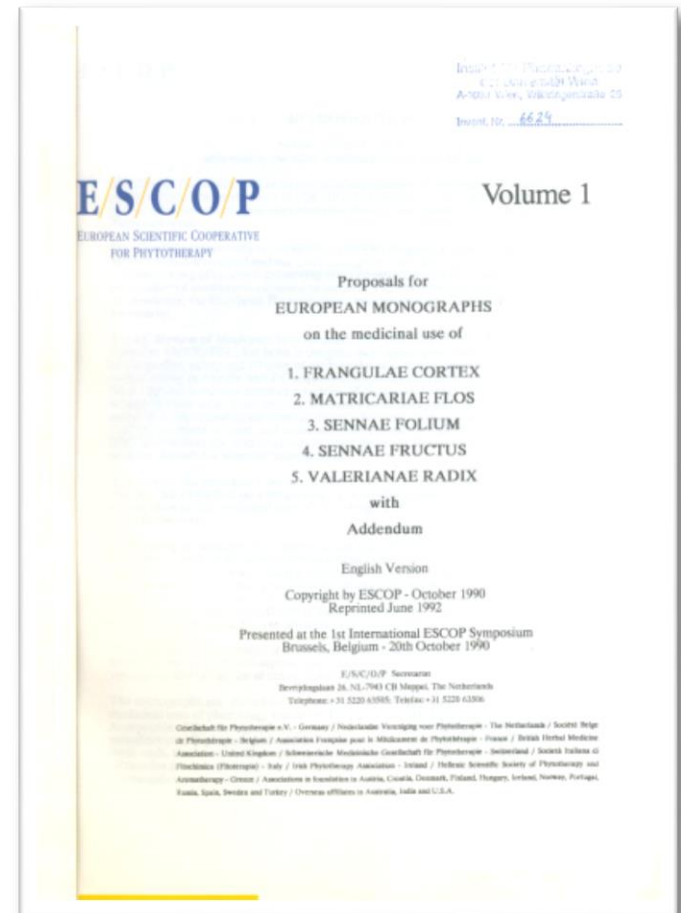
Advantages



- ✓ Balanced evaluation of literature due to the composition of the Scientific Committee
- ✓ Comprehensive compilations of relevant pharmacological, toxicological and clinical studies
- ✓ **Publication of revisions !**

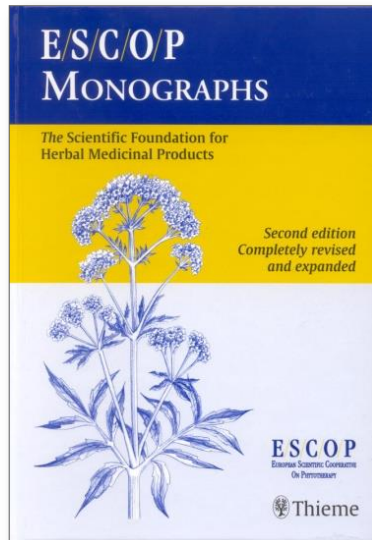
Development (1)

- ✓ **1989**
ESCOP Scientific Committee starts work on the monographs
- ✓ **1990 - 1992**
First publication of monographs
Submission to the CPMP (EMA)
- ✓ **1996 - 1999**
Publication of **60** monographs



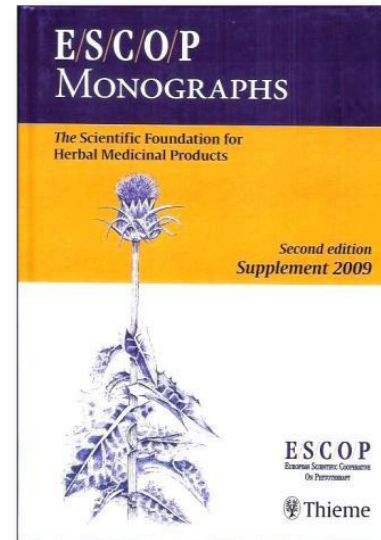
E/S/C/O/P Monographs

Development (2)



2003

2nd Edition, completely revised and expanded
80 monographs



2009

Supplement with:
✓ **27 new** monographs
✓ **8 revised** monographs

E/S/C/O/P Monographs

Development (3)

From 2011

On-line series

Published until August 2014:

- ✓ **8 new** monographs
- ✓ **9 revised** monographs

Available at:

www.escop.com

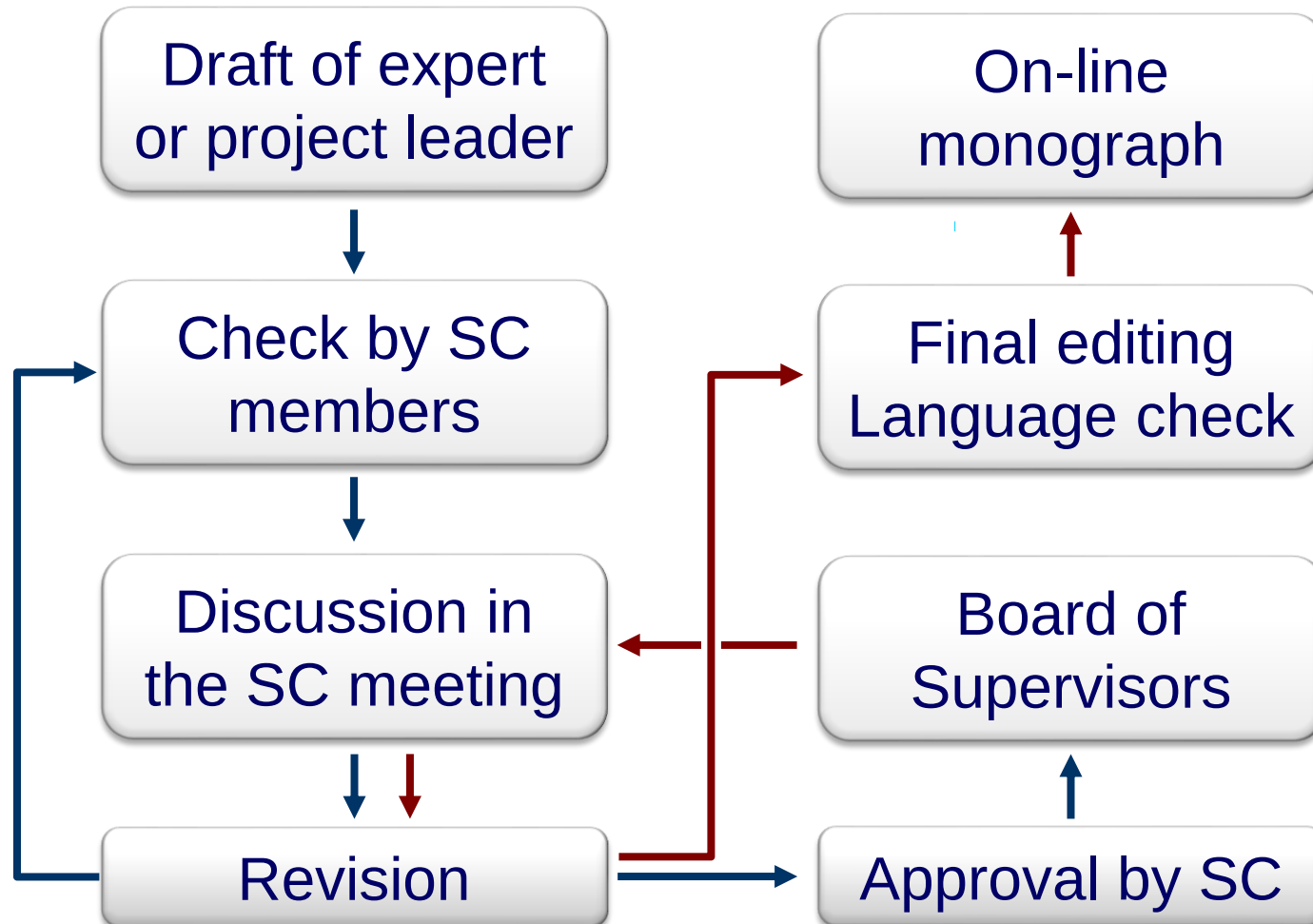


Scientific committee members

- Mariam **Aslam** (UK)
- Prof. Anna Rita **Bilia** (I)
- Dr. Jozef G. **Corthout** (B)
- Prof. Pavel **Chirilă** (R)
- Dr. Maria do Céu **Costa** (P)
- Prof. Jürgen **Drewe** (CH)
- Dr. Frans M. van den **Dungen** (NL)
- Dr. Marijke **Frater-Schröder** (CH)
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- Dr. Didier **Guédon** (F)
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- Dr. Georg **Seidel** (D)
- Dr. Barbara **Steinhoff** (D)
(Co-Chair)
- Dr. Sonja **Sturm** (A) (Co-Secretary)
- Prof. Funda Nuray **Yalcin** (TR)

E/S/C/O/P Monographs

Preparation

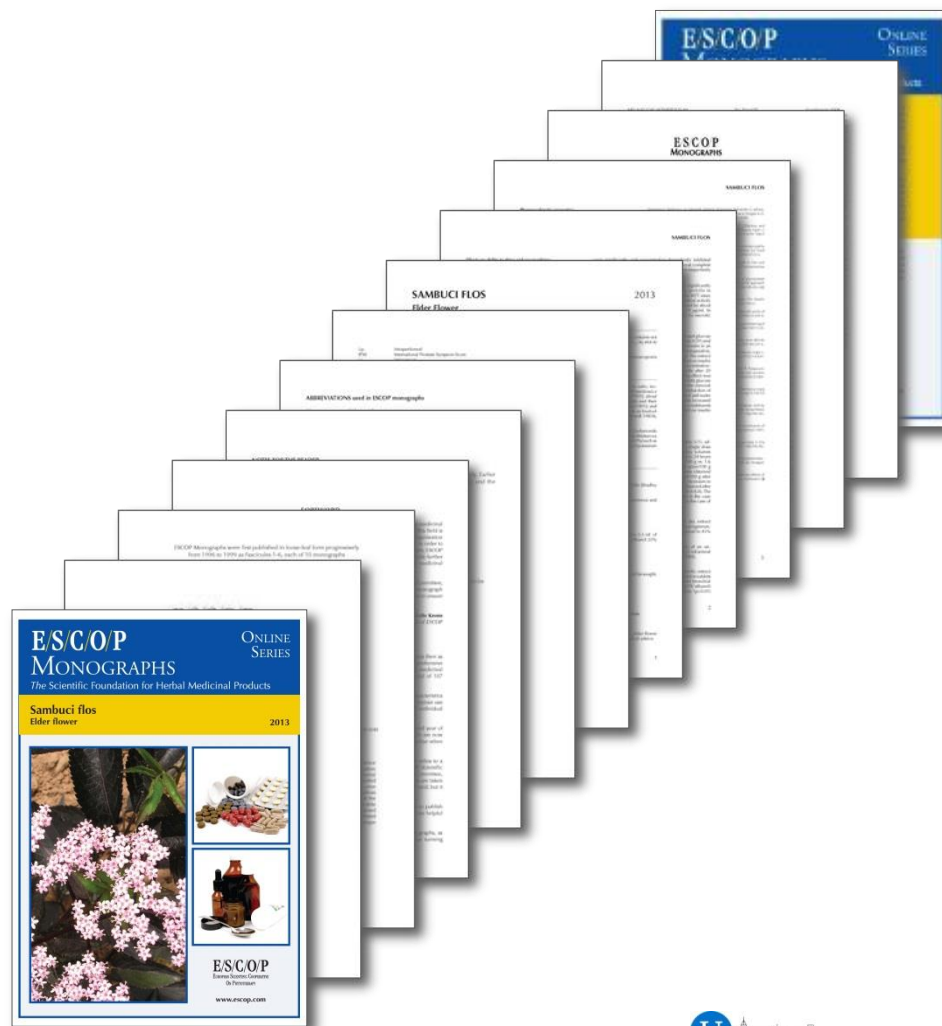


SC: Scientific committee

E/S/C/O/P Monographs

Advantages of the online format

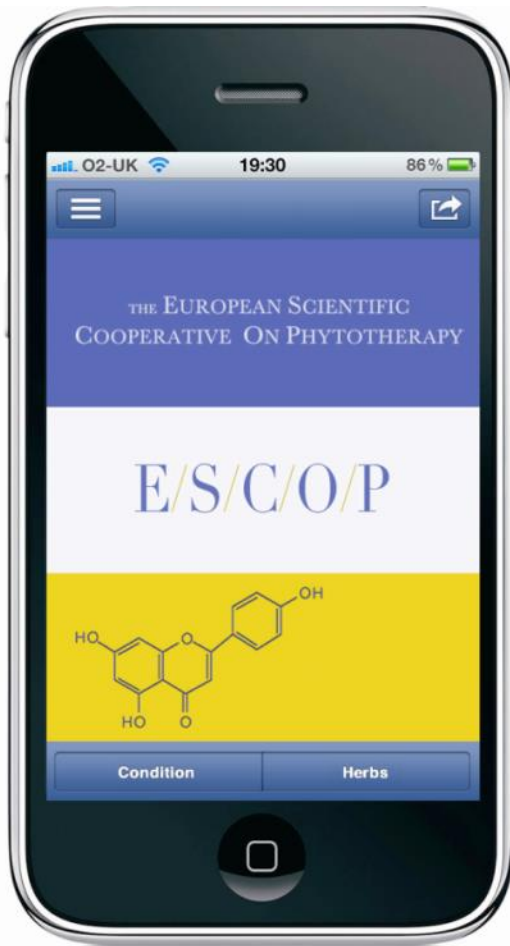
- ✓ Single monographs
- ✓ Prompt publication
- ✓ Immediate availability



Available at:
www.escop.com

E/S/C/O/P App

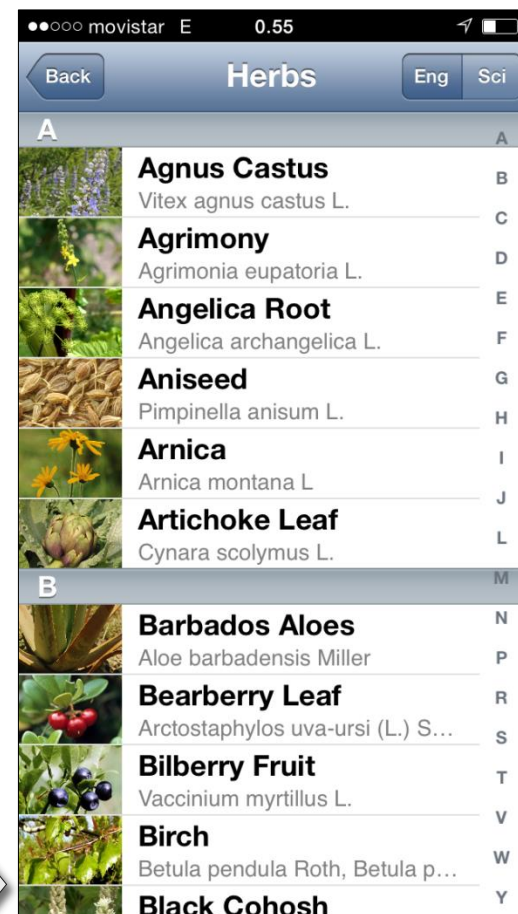
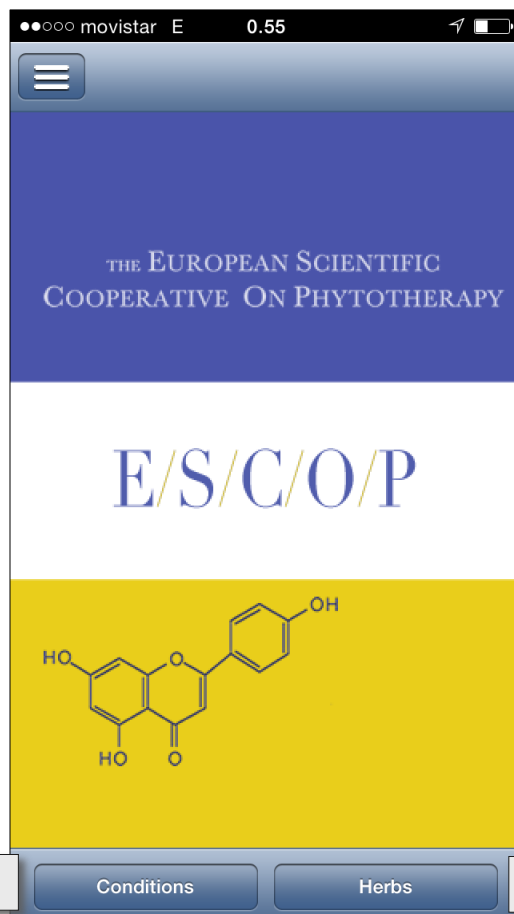
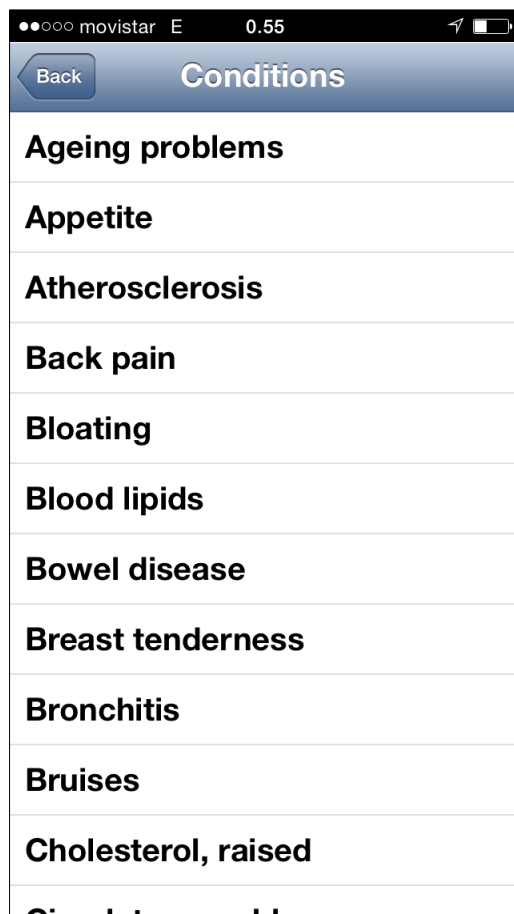
What is in the ESCOP herb reference app?



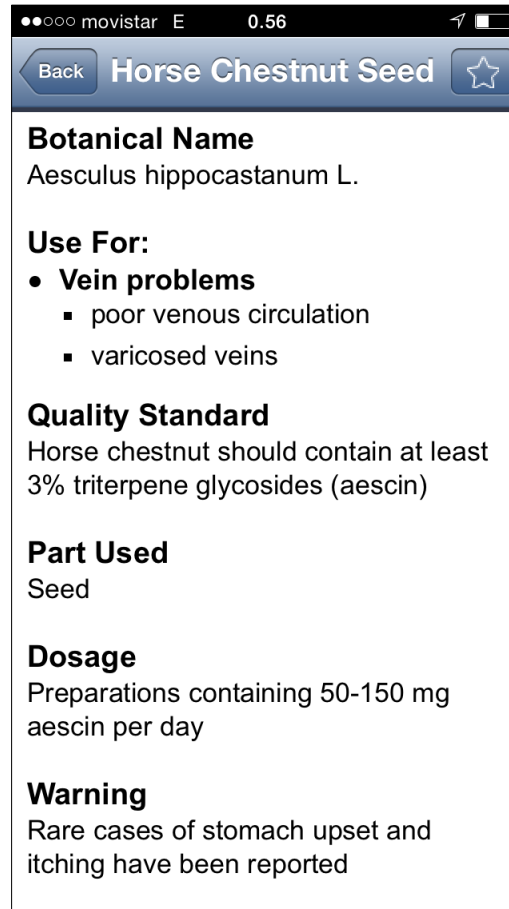
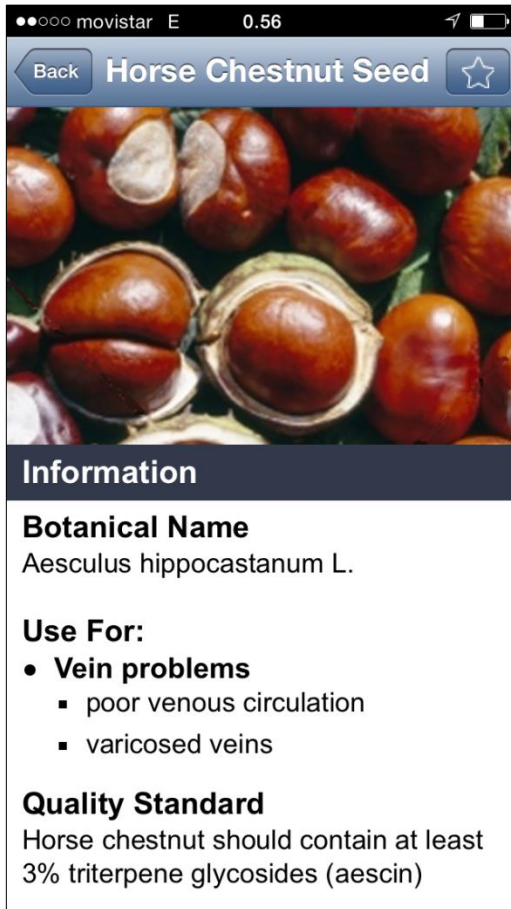
- ✓ Information on over 100 herbs and their uses for a range of everyday health conditions.
- ✓ Over 50 searchable health conditions
- ✓ Most important information, distilled from the ESCOP monographs.
- ✓ Terminology adapted to laypersons
- ✓ Information about ESCOP

E/S/C/O/P App

Search



Information per herbal drug



- ✓ Common name
- ✓ Plant picture
- ✓ Plant botanical name
- ✓ Uses
- ✓ Plant part used
- ✓ Minimum quality criteria
- ✓ Dosage
- ✓ Special warnings
- ✓ Contraindications

Technical data



- ✓ Operating systems:
 - iOS® (iPhone®)
 - In preparation: Android®
- ✓ Languages:
 - English
 - German
 - In preparation: Spanish and Portuguese

Conclusions

- ✓ The two main current ESCOP developments are:
 - ESCOP monographs, now published individually on-line.
 - The ESCOP herb reference app

- ✓ With these two developments ESCOP is giving sound scientific service to:
 - Health practitioners
 - Companies
 - Health authorities
 - Teachers on Phytotherapy
 - General population



Notaries House (Exeter, UK)
ESCOP Headquarters

**Thank you
very much
for your
attention**

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