



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Federal Department of Economic Affairs FDEA

Agroscope Liebefeld-Posieux Research Station ALP

Round table

Control of infectious and parasitic honeybees diseases

Charrière J.D.

Apimondia, Buenos Aires, 21-25th of September 2011

ALP is part of the ALP-Haras Unit

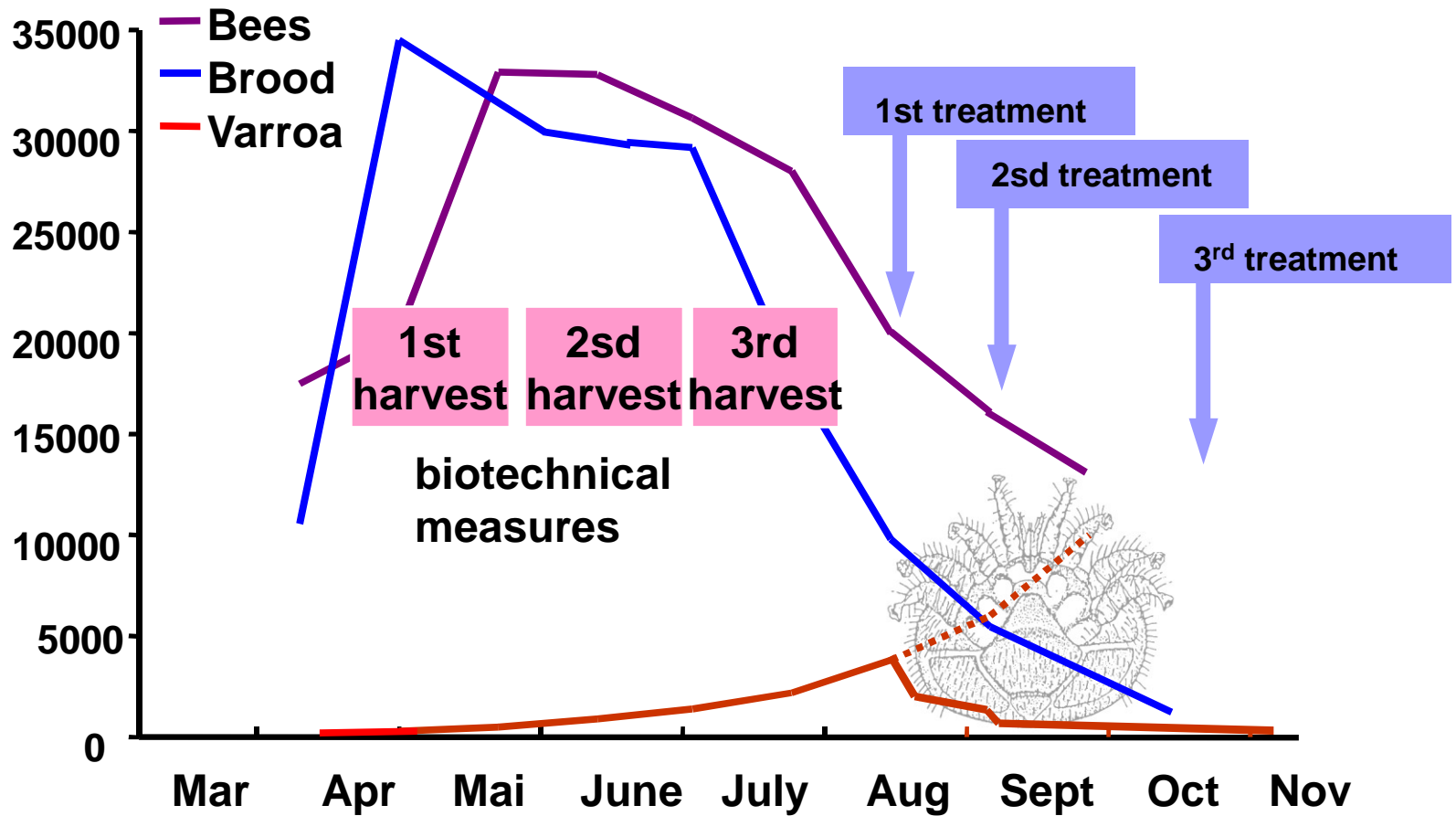


Varroa: registered products

Product	Active ingredient	Registered
Folbex VA	Bromopropylat	1982 - 1999
Perizin	Coumaphos	1987
Apitol	Cymiazol	1987 – 2003
Apistan	Fluvalinate	1991 - 2007
Bayvarol	Fluméthrine	1991
CheckMite+	Coumaphos	2007
Thymovar / Apiguard / ApiLife VAR	Thymol	1998



Control strategie for middle of Europe: AVC





Alternative *Varroa* – Control (AVC)

May

Jun

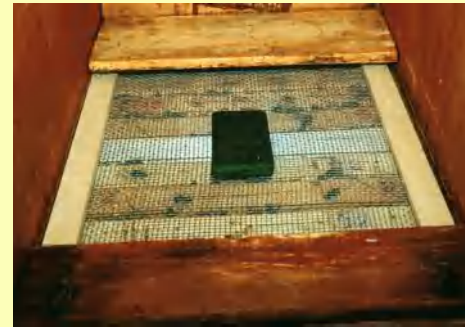
Jul



Aug

Sep

Oct



Nov

Dec



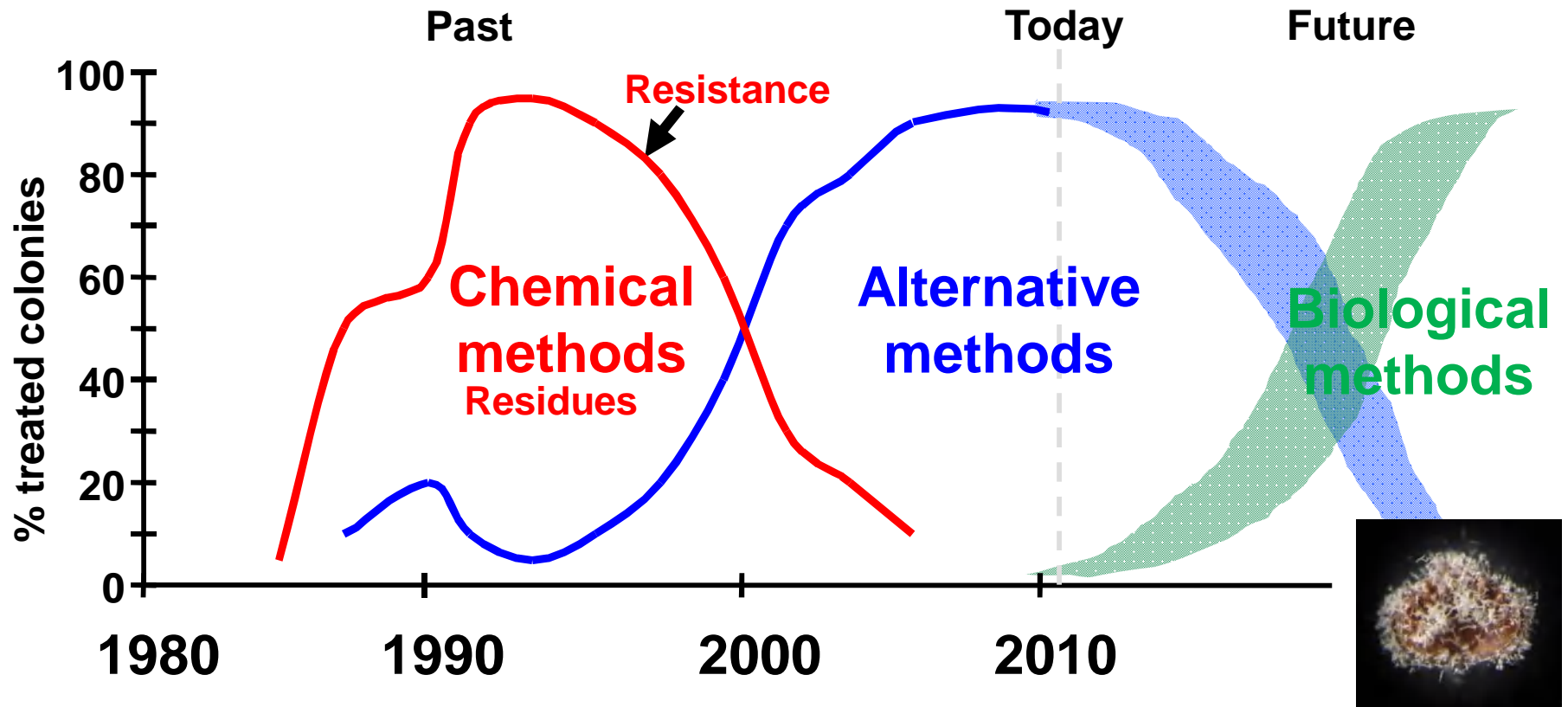


The road comes more and more narrow





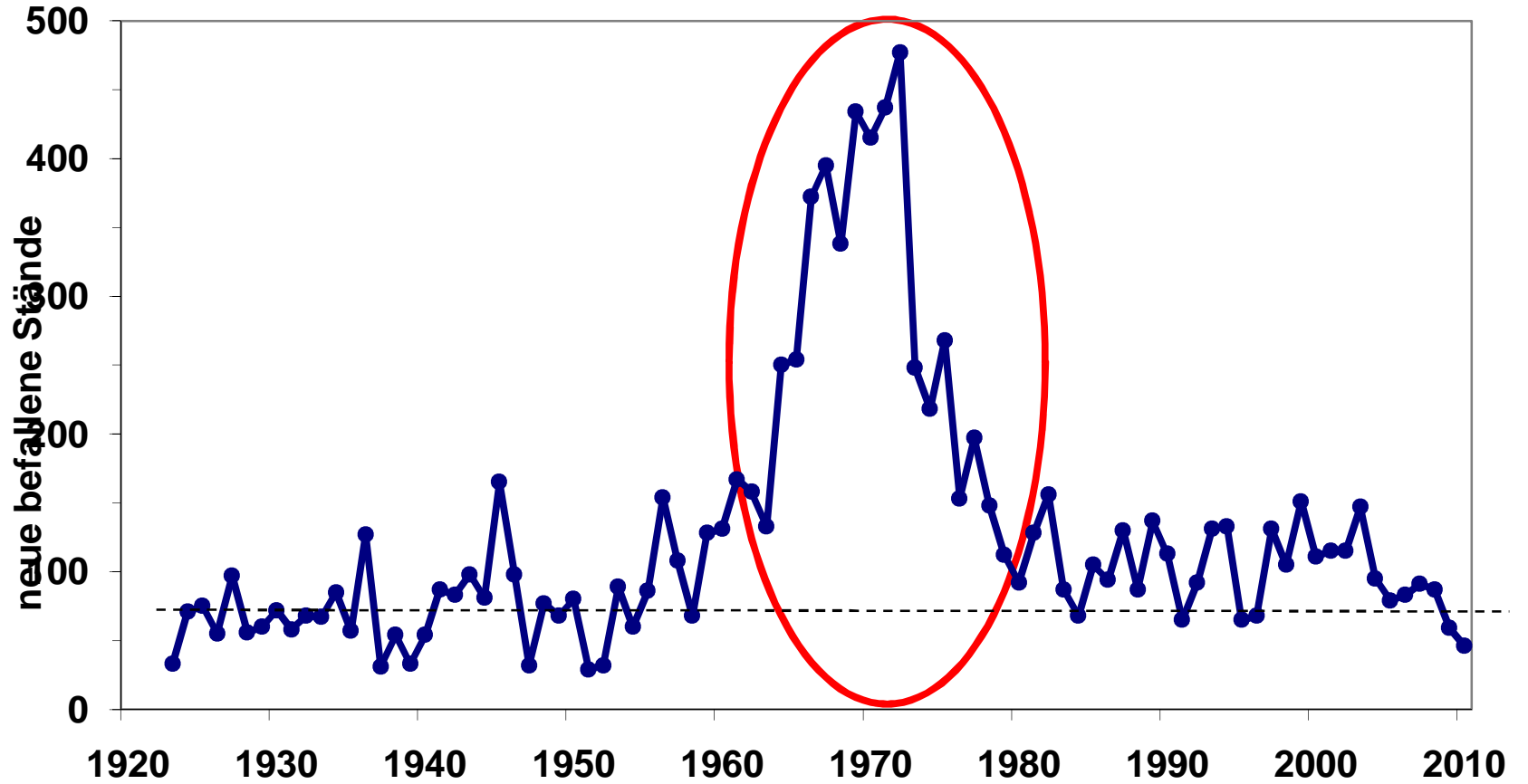
Varroa treatments: time overview





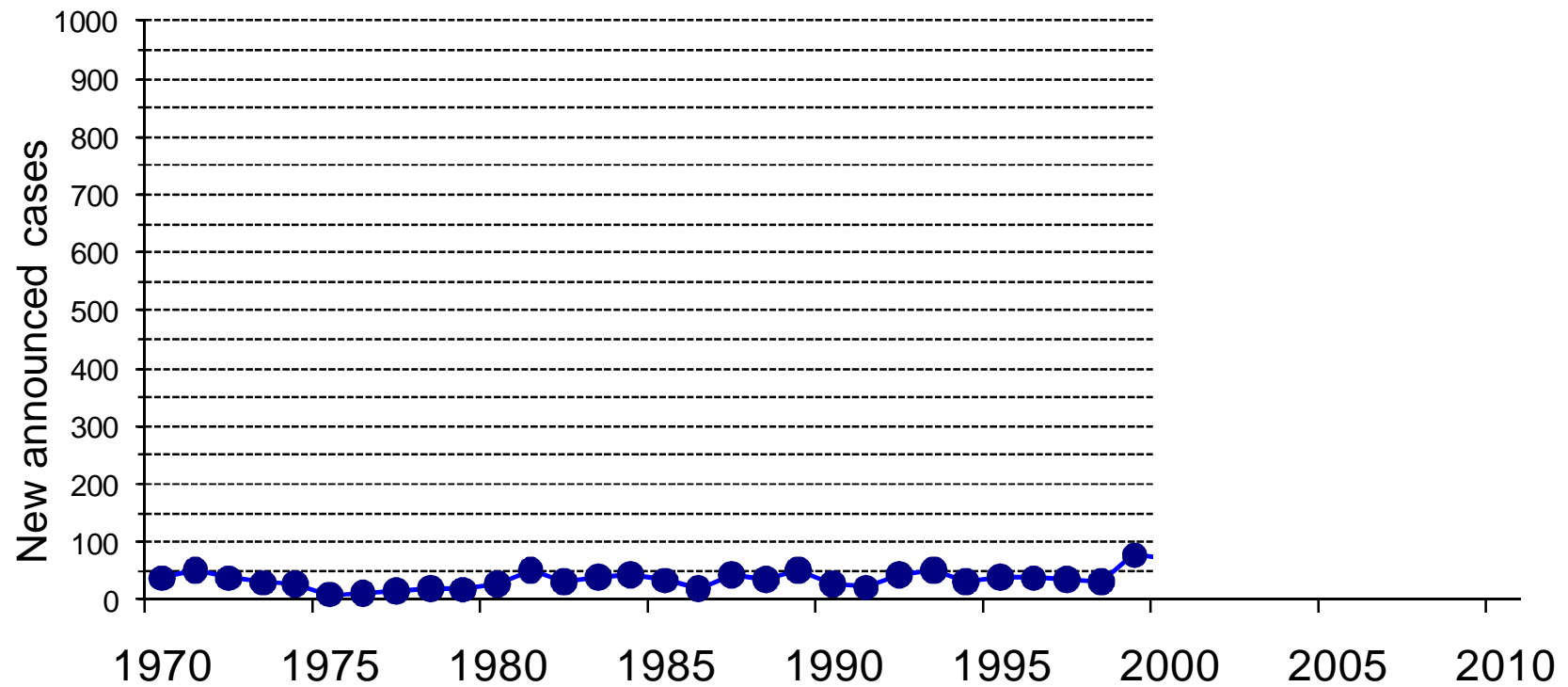
New AFB-cases in Switzerland

1923 bis 2010





New EFF-cases in Switzerland







Swiss legislation regarding **AFB** and **EFB**

- Beekeepers have to announce a suspicious case (notifiable diseases)
- Colonies with clinical symptoms have to be kill and the material destroyed/disinfected
- If more than 50% of the colonies have clinical symptoms, kill all the colonies in the apiary
- No use of antibiotic allowed!
- Beekeepers compensate for the destruction
- All the colonies have to be visually checked in the “Exclusion area”
 - in a radius of 2 km
 - in a radius of 1 km (since 2009)

Thank you for your attention !

