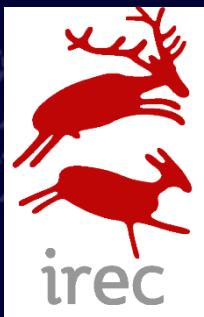


Monitoring intentional and accidental poisonings in raptors

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Introduction

**Intentional
poisoning**

Legal

Pesticide use
for target
species

Criminal → Conflicts Man-Wildlife

**Accidental
poisoning**

Legal

Effect of pesticide use
in non-target species

Non-legal

Abuse / Misuse

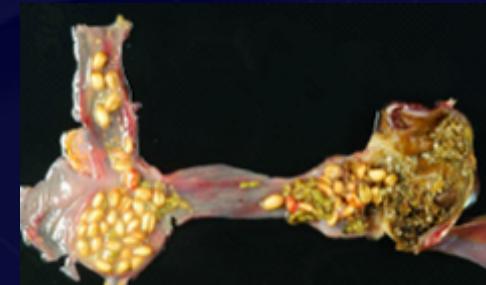
De Snoo et al. (1999), Mineau et al. (1999) Martínez-Haro et al. (2008)

Why do people use poison? Conflicts Man-Wildlife

Agriculture – Wildlife (primary consumers)

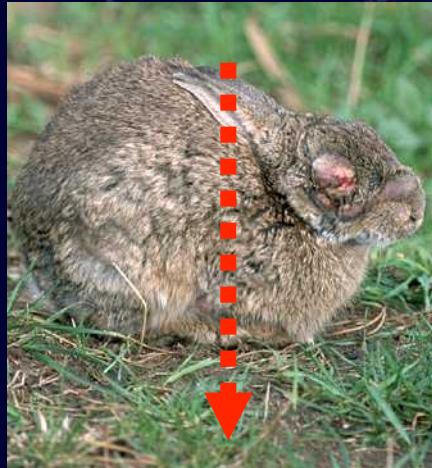


Damage on vineyards



Why do people use poison? Conflicts Man-Wildlife

Hunting management – Predators



Myxomatosis
Hemorrhagic disease

More predatory pressure

Why do people use poison? Conflicts Man-Wildlife

Livestock – Predators



Why do people use poison? Conflicts Man-Wildlife

Livestock – Predators



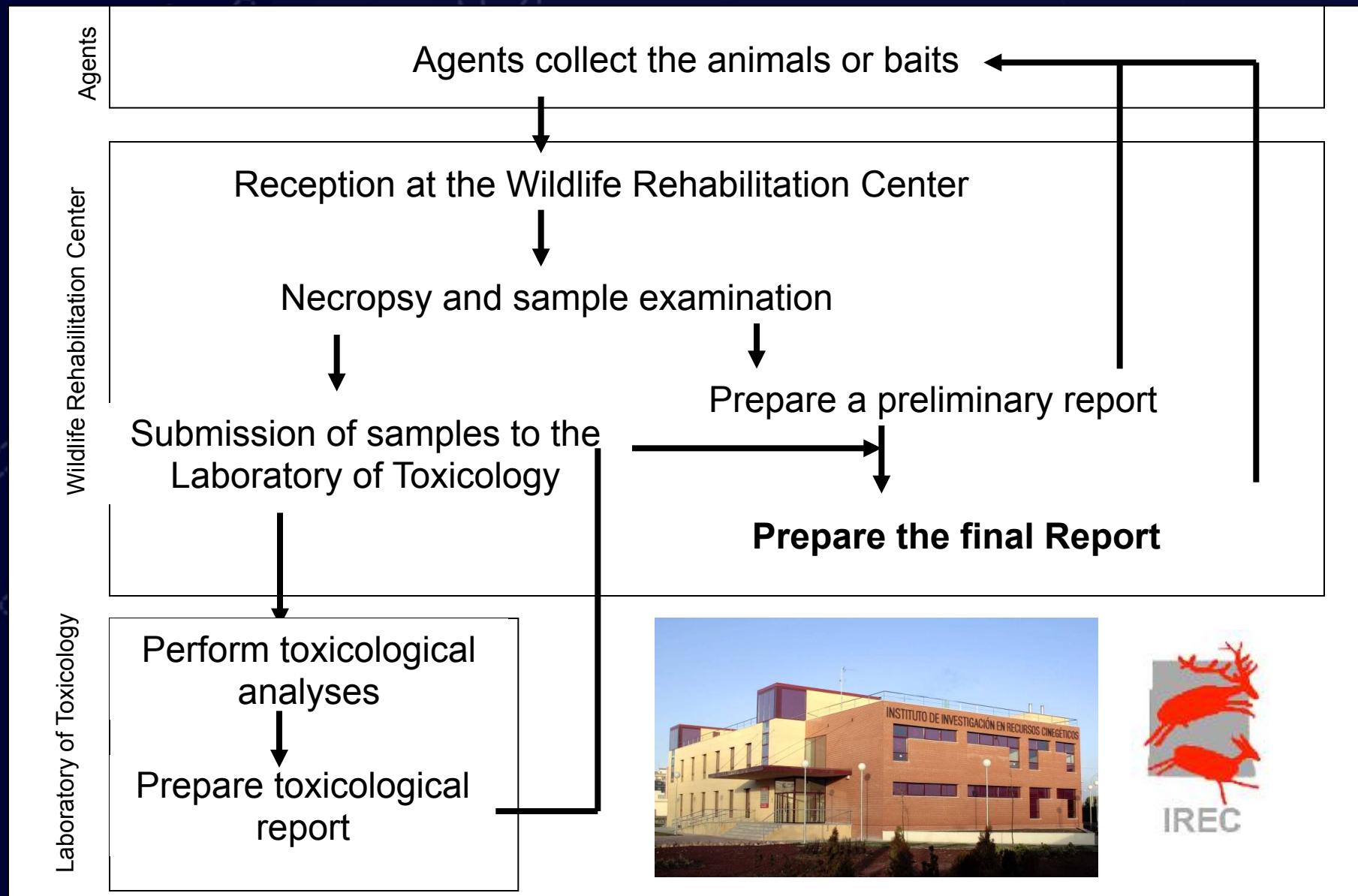
Why do people use poison? Conflicts Man-Wildlife

Agriculture – Wildlife (primary consumers)
Hunting management – Predators
Livestock – Predators
Man – Pets (Man)

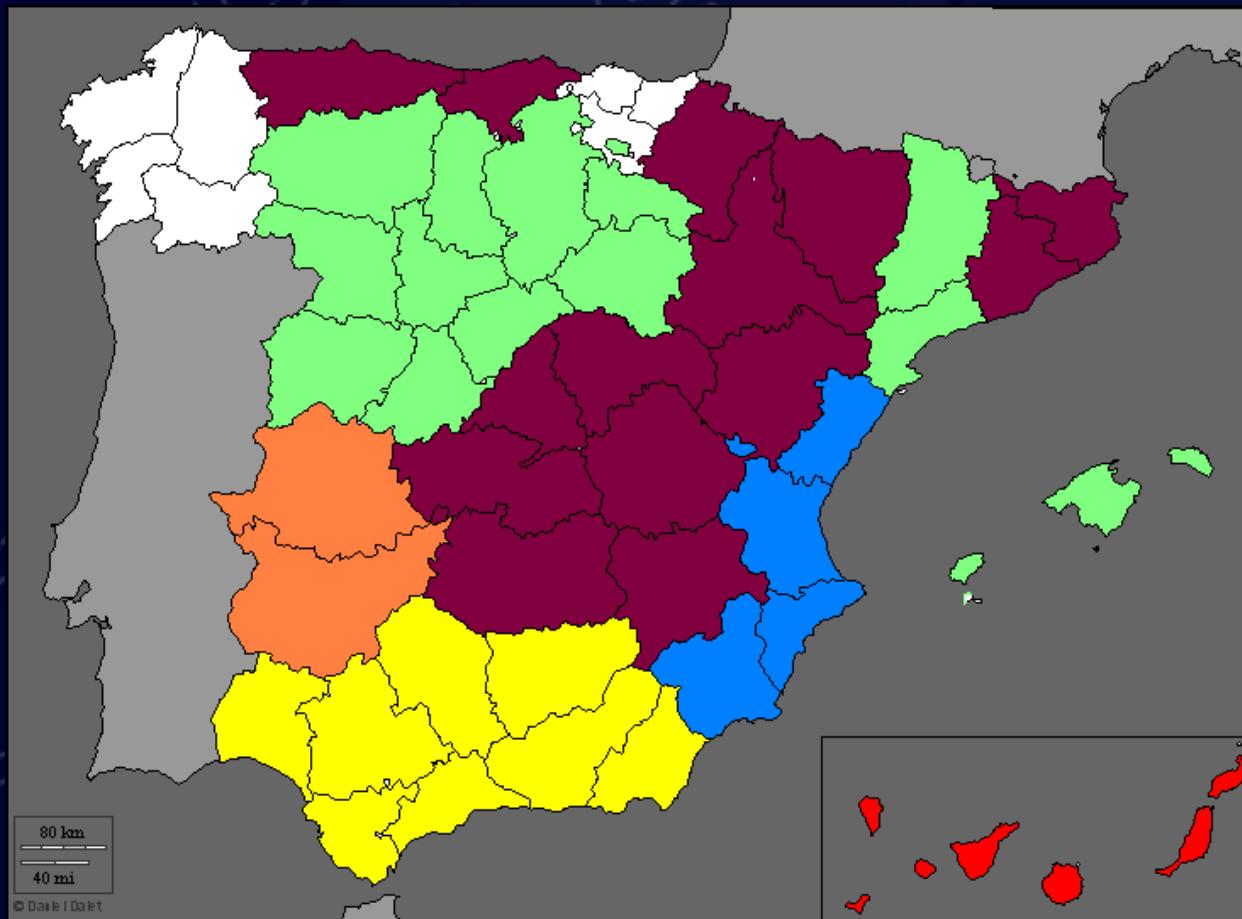


POISON

Scheme of action in case of poisoning

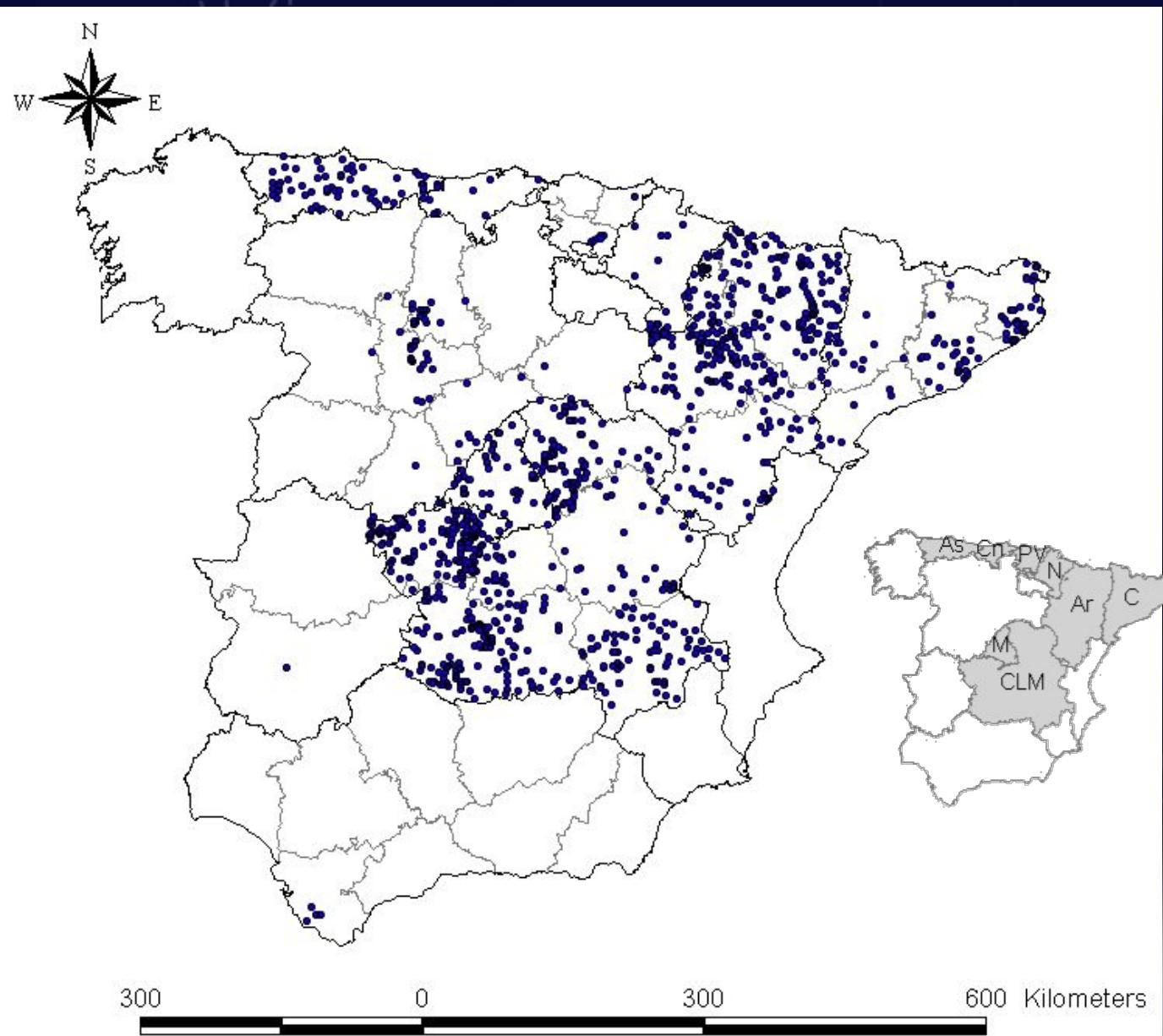


Cobertura analítica



Materials and methods

7 years
2004-2010
1,157 cases

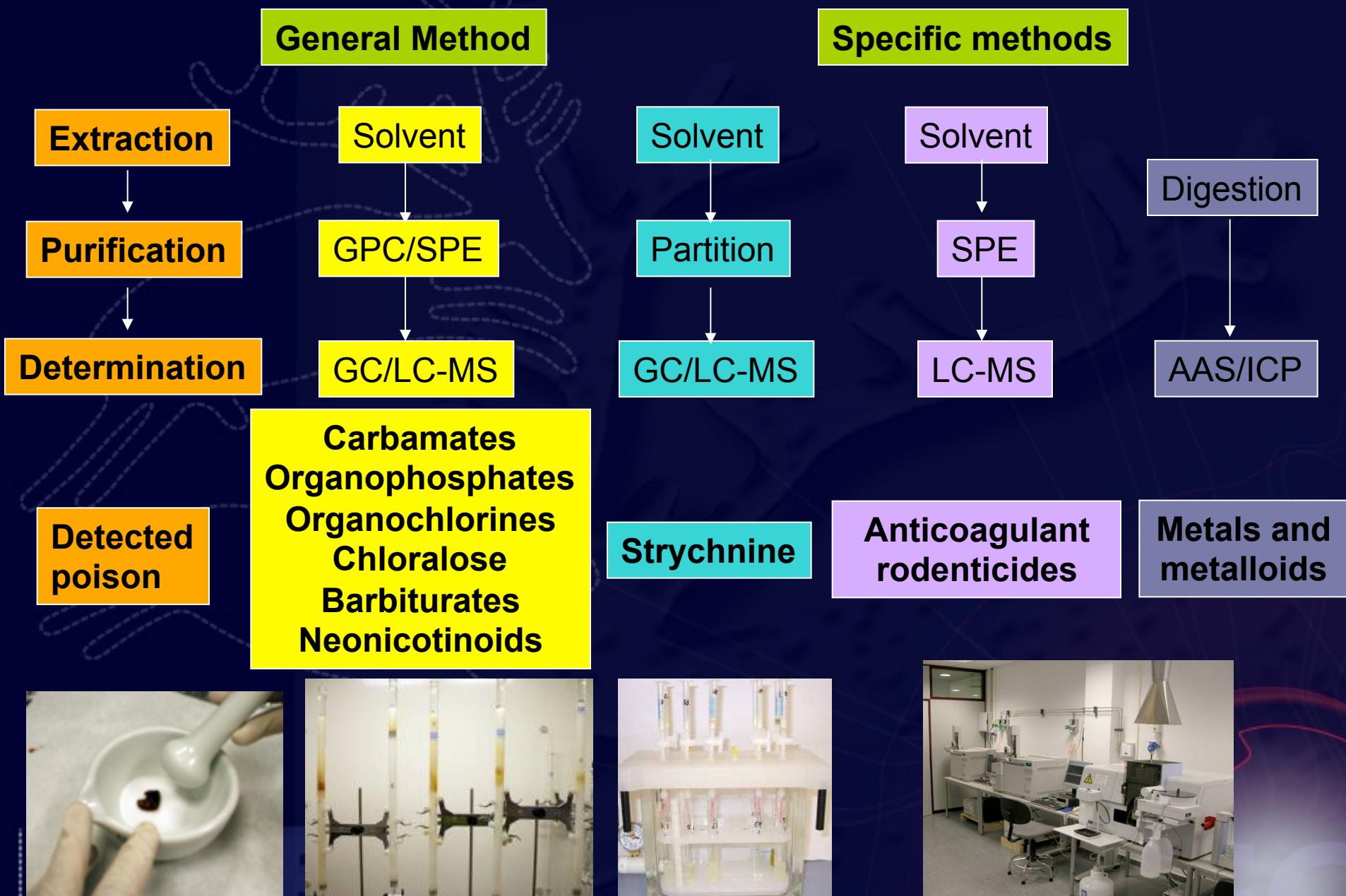


340 baits



1,800 animals

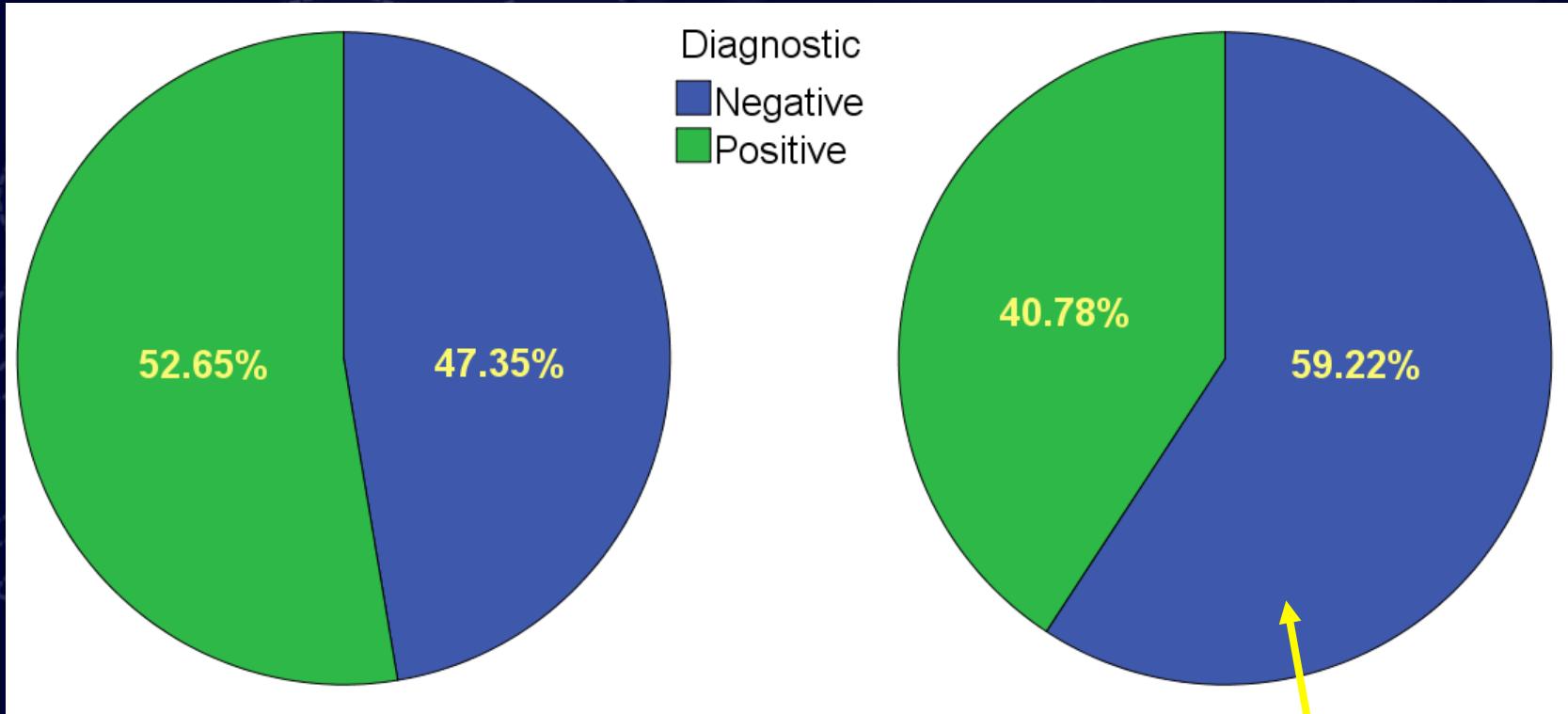




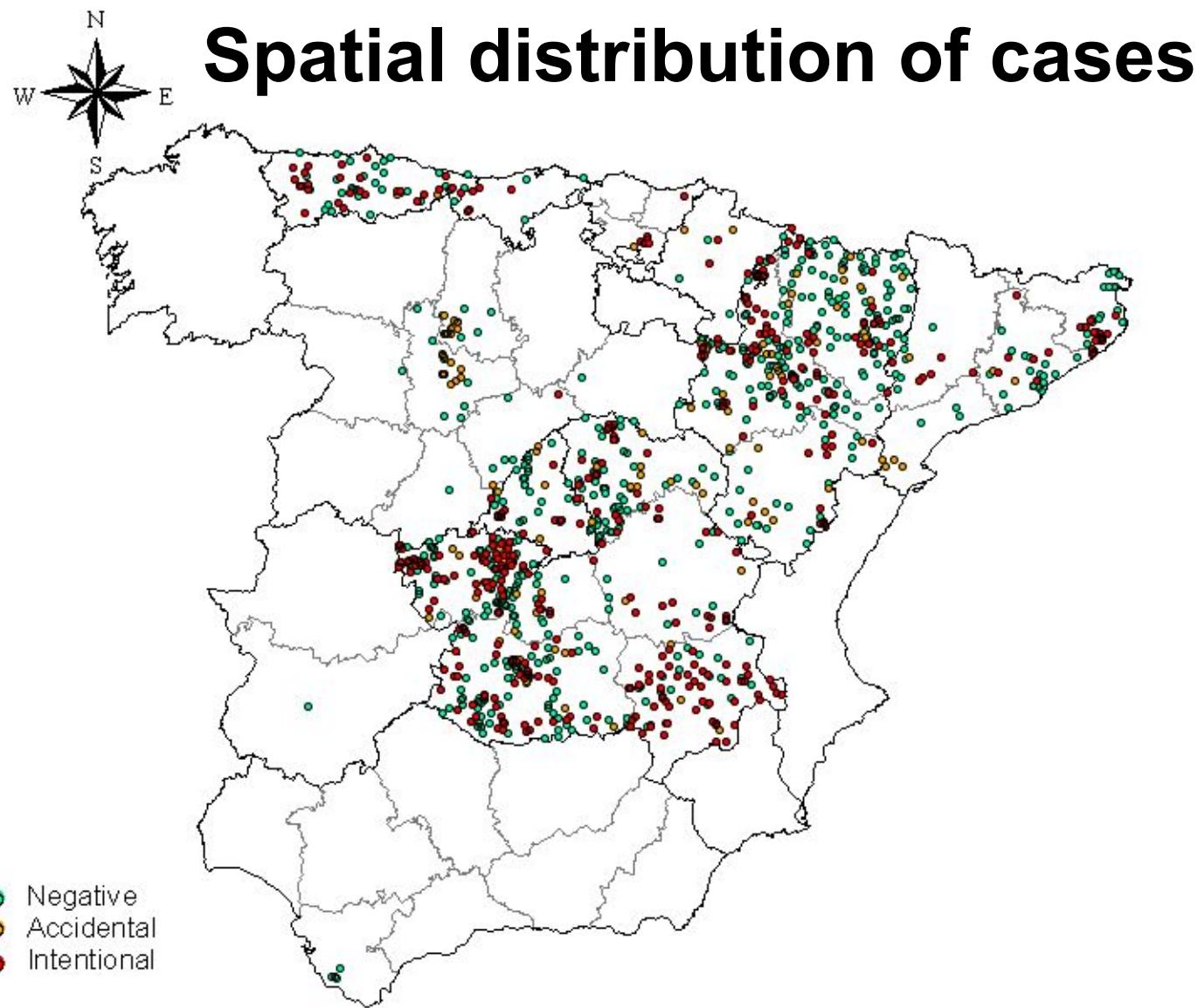
Results

Baits

Animals

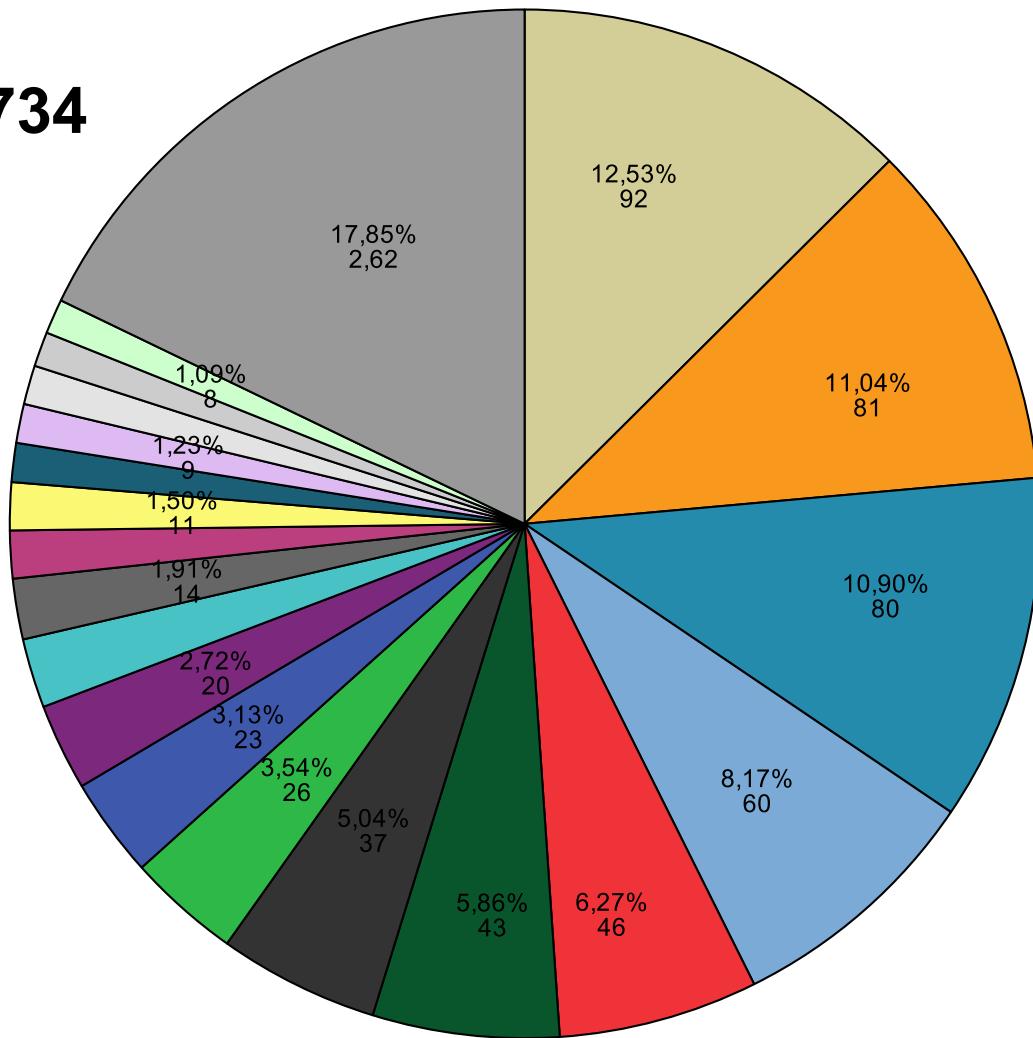


Electrocution and traumatisms



Poisoned species

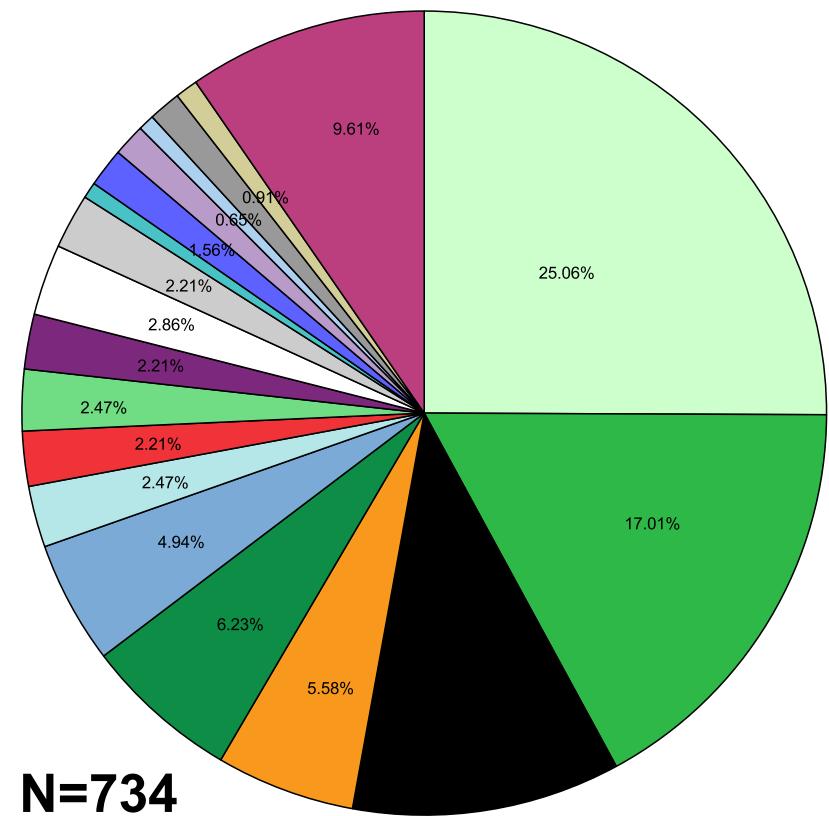
N=734



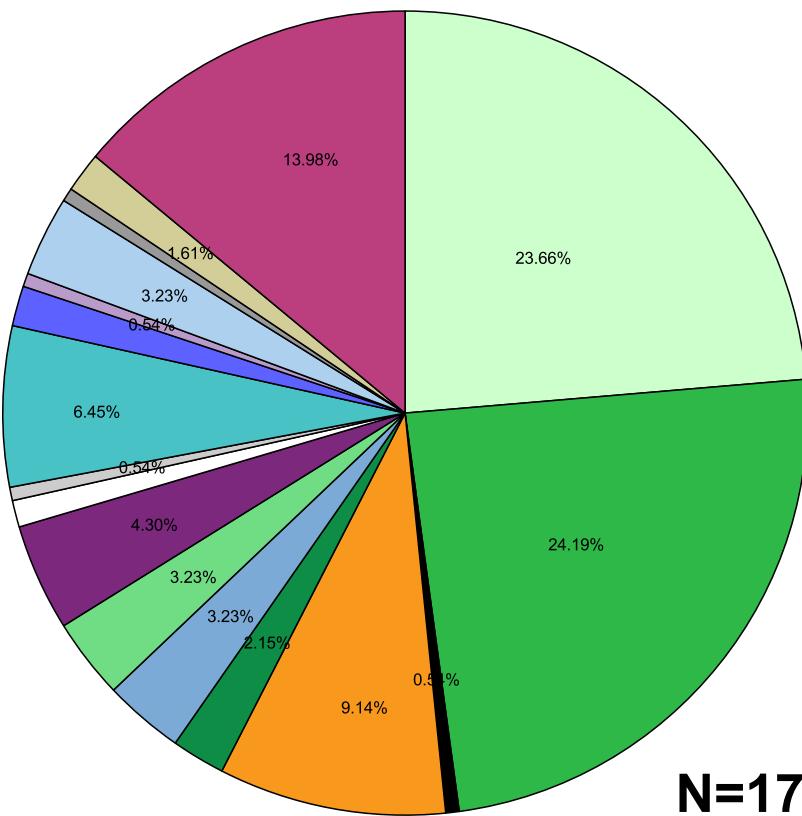
- Eurasian griffon
- Rock dove
- Domestic dog
- Red fox
- Black kite
- Red kite
- Eurasian black vulture
- Eurasian buzzard
- Egyptian vulture
- Feral cat
- Golden eagle
- Common magpie
- Western marsh harrier
- Garden dormouse
- Stone marten
- Spanish imperial eagle
- Common woodpigeon
- Iberian hare
- Carrion crow
- Others

Major toxicants detected

Animals



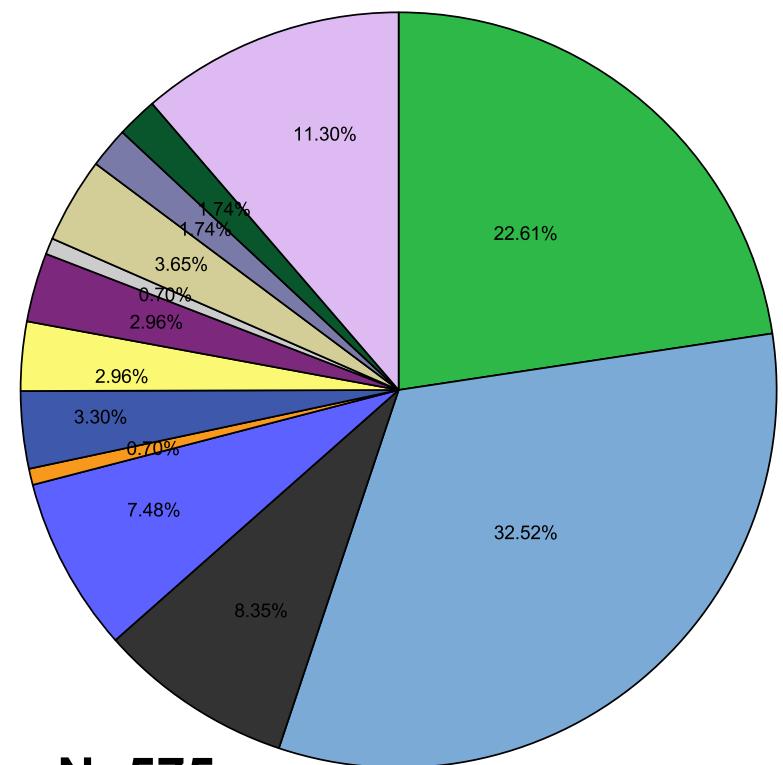
Baits



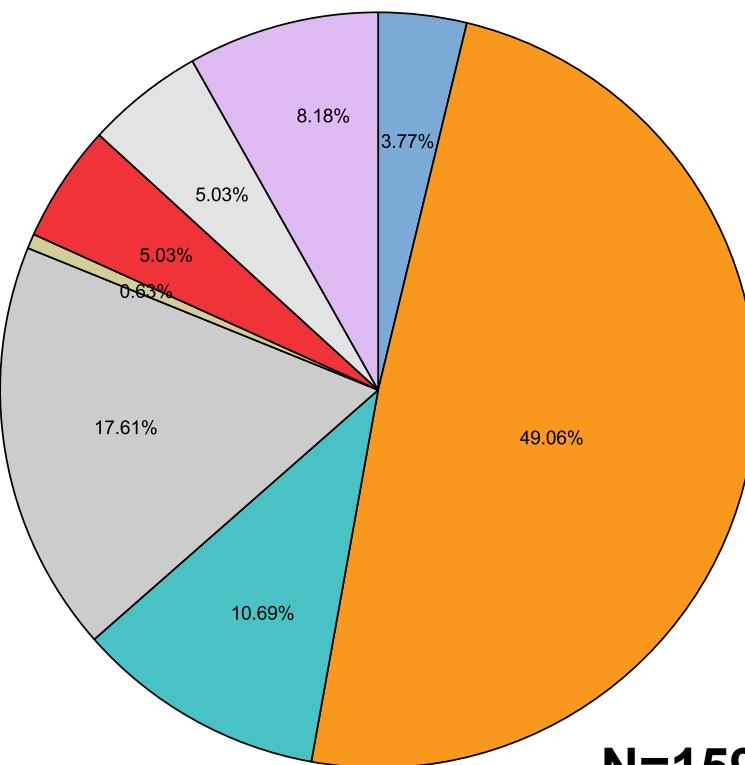
- Carbofuran
- Aldicarb
- Chlorophacinone
- Fenthion
- Strychnine
- Bromadiolone
- Lead
- Bendiocarb
- Methamidophos
- Arsenic
- Monocrotophos
- Brodifacoum
- Benfuracarb
- Flocoumafen
- Endosulfan
- Diazinon
- Chlорfenvinphos
- Chloralose
- Others

Major toxicants detected

Intentional

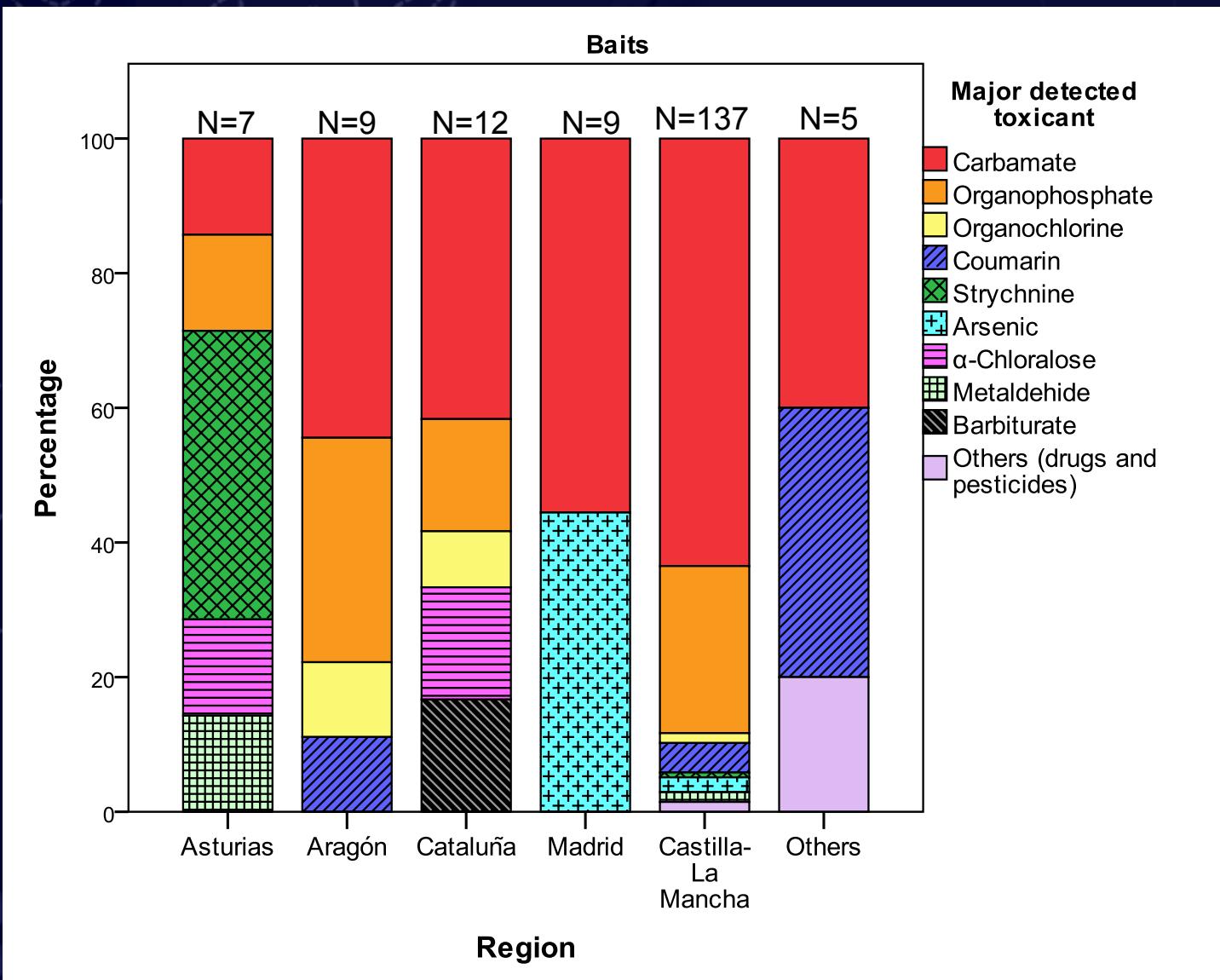


Accidental



- Aldicarb
- Carbofuran
- Strychnine
- Fenthion
- Chlorophacinone
- Methamidophos
- Bromadiolone
- Bendiocarb
- Arsenic
- Bromadiolone
- Monocrotophos
- Endosulfan
- Chlorfenvinphos
- Lead
- Flocoumafen
- Others

Family of toxicants detected in baits by regions



Family of toxicants detected in animals by regions

