

Workpackage 1 – Regional surveillance and vaccination

- ✘ Collection of the missing data:
 - + We work on the basis of study areas, not the entire EU; study area for WP1 is the countries Spain, Italy, Belgium, Algeria, Turkey (plus possibly other countries willing to participate and to share the same type of data)
 - + To be decided in the WG meeting. Discussion topics:
 - ✘ Methods: ask information to the competent Ministry
 - ✘ Geographical unit: Italy province; Spain province (in ADNS they are comarcas); Belgium province; Algeria Wilaya; Turkey (south part of the country) subdivided by Region
 - ✘ Data collected
 - ★ which tests to consider:
 - ✘ Spain ELISA+ & **PCR+** in mammals
 - ✘ Italy: seroconversion confirmed in SN; PCR+ in mammals; PCR+ in insects; virus isolation
 - ✘ Belgium: ELISA+ or PCR+ in mammals or insects, or virus isolation
 - ✘ Algeria: ELISA+ & **PCR+** or **virus isolation**
 - ✘ Turkey: c-ELISA+, **Ag capture ELISA**, **PCR**, **virus isolation**, sentinel, **PCR in culicoides**
 - ★ how to separate random collections from targeted activity [e.g., confirmation or follow up of outbreaks], sentinels vs. survey,
 - ✘ Spain: sentinels are random – others cannot be separated
 - ✘ Italy: sentinels are random, brucellosis samples are random, - others are mostly non random
 - ✘ Belgium: Sentinels and surveys, and confirmation of outbreaks, track is kept of the sampling frame
 - ✘ Algeria: surveys and lab confirmation of clinical outbreaks, track is kept of the sampling frame
 - ✘ Turkey: Serological and virological surveys, field studies on risk areas, confirmation of outbreaks, track is kept of the sampling frame

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- ★ timeframe
 - ✘ monthly aggregated data, with information on the vector season
- ★ typing: from the Picasso maps: shapefile or table of geographical units the first of each month
- ★ animals vs. herds:
 - ✘ both animals and herds for all involved countries
- ★ vaccination of resident animals vs. vaccination of animals intended for trade
 - ✘ All EU: Proportion of animals vaccinated by year and by serotype by type/producer of the vaccine by species; report for co-financing available on the Internet as planned activity, is sent to the EC as report; permission from the MS is required to have the data
 - ✘ Algeria: no vaccination
 - ✘ Turkey: vaccination of sheep with BTV4 only around outbreaks in the south, cattle and goats are not vaccinated
 - ✘ Ask to the governments the requirements for importing animals
- ✘ Performance of tests:
 - ✘ Spain: try to get data to perform a field validation of tests (se and sp) by LCA – on a sample of surveillance data from Catalonia and possibly other regions of Spain
 - ✘ Italy: validation dossier available with Se and Sp for c-ELISA and PCR; no data on Se and Sp of SN; no data on field validation of tests performed – perform a field validation of tests (se and sp) by LCA – on a sample of surveillance data
 - ✘ Belgium: published data on Se and Sp of ELISA and PCR, determined by LCA
 - ✘ Algeria:
 - ✘ Turkey:

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- ✘ Integration with Risk assessment group: late spring-early summer meeting IZSAM-CRESA
- ✘ Integration with GIS and DB group
 - ✘ census of ruminants by species (check if Eurostat data are suitable)
 - ✘ Picasso map by month
 - ✘ map of pos/neg g.u. per month
 - ✘ map of animal prevalence in g.u per month – random activity
 - ✘ map of confidence intervals of animal prevalence
 - ✘ map of prevalence of positive confirmation
 - ✘ map of herd prevalence in g.u per month – random activity
 - ✘ map of confidence intervals of herd prevalence
 - ✘ map of prevalence of positive herd confirmation
 - ✘ map of vaccination by serotype, by species plus one map per serotype with vaccination of all susceptible species (if available, separation of resident animals and exported animals)
 - ✘ option in the website to download the DB or part of the DB (selected fields and selected records or the entire DB) to perform risk assessments
 - ✘ Results of the risk assessments (non publicly available and with features to be decided)