









Department acronym	Pictogram et full name of the department and its thematical offer	Public Policy Correspondent
ACT	 Action, transitions et territoires Action and transitions	Emmanuelle GEORGE
	Agroecological transitions: South America and Europe	
	Genetic resources / cultivated biodiversity	
	Biodiversity, ecosystem services	
	Farming/livestock systems	
AgroEcoSystems	 Agronomie & sciences de l'environnement pour les agroécosystèmes Agronomy and environmental sciences for agroecosystems	Sylvain PELLERIN
	Crop adaptation to abiotic stress, to climate change; phenotyping and modelling	
	Agroecological transition mobilisation of diversification – alternative cropping systems towards pesticides free	
	Soil quality, surveillance and mapping systems, ecosystem services related to soils	
	Biogeochemical C, N, P cycles and soil carbon sequestration	
	Agroecological transition – Systemic agronomy	
AlimH	 Alimentation humaine Human nutrition & food safety	Véronique COXAM
	Relation food/nutrition/health: definition of a customised safe and sustainable diet	
	Choice and nutrition behaviours: levers to encourage safe and sustainable diet	
	Toxicological risk, predictive toxicology and risk/benefit analysis on nutritional practices	
	Safe and sustainable alimentation systems	
AQUA	 Ecosystèmes aquatiques, ressources en eau & risques Aquatic ecosystems, water resources & risks	Christine ARGILLIER
	Safety of hydraulic structures: risk analysis, reliability, erosion, geosynthetics, rheology of materials, numerical modelling	
	Hydrology on a modelling basis: forecasting and predetermination of local flood and scarcity risk; distributed hydrology and intense rainfall; hydrometeorological hazards mapping and climate change study; flash floods and warning radar	
	Hydroelectric and nuclear electricity production – impact on the environment: fish habitat, ecological flows, temperature, dynamics of fish, invertebrate populations and communities	
	implementation of public policies related to quality of aquatic environments and associated biodiversity: methods of ecological assessment on bodies of water, pressure and impact, physical-chemistry bioindication, hydromorphology, normalisation	
	Reduce, compensate, restore biodiversity damage: assessment, bodies of water, hydromorphological restoration	
	Global warming and aquatic ecosystems, thermal ecology: hydrosystems and dynamics of species and populations; management of aquatic communities and ecosystem processes of these environments (carbon fluxes ...) under the constraint of global warming.	
	Water & agriculture: agricultural land needs at regional scale, dimensioning of hydraulic structures, anticipation of future strains ...	
	Water services and sanitation	
	Analysis of public policy related to water: quantitative and qualitative methods	
	Management of hazards resulting from erosion and deposits risks related to intense flow in a CC context (drought, resilience, ...)	

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BAP	 Biologie et amélioration des plantes Plant biology and breeding	Peter ROGOWSKY
	Assessment and registration of new plants varieties	
	Characterisation of the plant genetic variety	
	Efficiency of food crops in water and nutrients use	
	Plant biotechnology: risk assessment, regulations, implementation of biotechnological techniques, including decoding genomes	
	Predictive plant biology	
EcoDiv	 Écologie et biodiversité des milieux forestiers, prairiaux et aquatiques Ecology and biodiversity of forest, grassland and freshwater environments	Christian GINISTY
	Conservation and management of forest genetic resources	
	Health crises and biological invasions	
	Natural hazards (conflagration, rock falls, storm)	
	Management of forest ecosystems (production, biodiversity) in the context of increasing biotic risks and CC, and management of aquatic environments (with AQUA Dpt)	
	Forest and meadow soils: cycle and flux of carbon and mineral elements	
	Remote sensing, biomass estimation (cooperation with MathNUM department)	
EcoSocio	 Économie et sciences sociales Economics and social sciences	Gabrielle BOULEAU
	Modelling agricultural and international markets	
	Conception and evaluation of the environmental policies and natural resources management	
	Analysis of the impact of nutritional and food safety policies	
	Industrial organisation of agrifood and wood industries	
	Analysis of the strategies of management of environmental and climatic risks	
GA	 Génétique animale Animal genetics	Edwige QUILLET
	Schémas d'amélioration génétique et sélection génomique chez les espèces d'élevage terrestres et aquacoles	
	Diversité des (épi)génomomes animaux : structure, fonctionnement et dynamique évolutive	
	Ressources génétiques, races locales	
	Agroécologie – Génétique et génomique des caractères contribuant à la durabilité des systèmes d'élevage (santé, résilience et efficience)	
MathNum	 Mathématiques et numérique Mathematics & digital technologies	Jean-Pierre CHANET
	Sciences des données multimodales	
	Fouille de données : extraction et structuration automatique d'informations rédigées en langage naturel	
	Robotique des agroéquipements : comportement des véhicules off-road, contrôle commande, flotte de véhicules	

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MICA	 Microbiologie et chaîne alimentaire Microbiology and the food chain	Christophe NGUYEN-THE
	Gut microbiota and human health	
	Antibioresistance/epidemiology: <i>circulation of antibiotic and antimicrobial resistant genes in ecosystems. Design of new antimicrobials as alternatives to antibiotics.</i>	
	Assessment of risks and benefits in foods, ranking of various risks: <i>methods to assess the balance between risks & benefits. Assessment of foodborne pathogens, toxins, contaminants. Quantification of nutritional benefits.</i>	
	Preservation of microbial diversity: <i>Culture collections and databases on filamentous fungi, yeasts, foodborne bacteria, bacterial pathogens of plant, human and animals</i>	
PHASE	 Physiologie animale et élevages Animal physiology & farming	Xavier FERNANDEZ
	Biocontrol (levers for the protection of organisms)	
	Health crises, epidemiosurveillance and risk modelling	
	Model for resistance management in landscape	
SA	 Santé animale Animal Health	Christian DUCROT
	Expertise on prions and prion diseases+ <i>(encephalopathies such as scrapie, BSE, variant CJD; prion strains, pathogeny, transmissibility, susceptibility of the hosts ...)</i>	
	Expertise on mycotoxins and their effect on animals <i>(immunity, intestinal barrier, cocktail effect)</i>	
SPE	 Santé des plantes & environnement Plant health and environment	Jean-Pierre ROSSI
	Biocontrol (levers for the protection of organisms)	
	Health crises, epidemiosurveillance and risk modelling	
	Model for resistance management in landscape	
TRANSFORM	 Aliments, produits biosourcés et déchets Food, bioproducts and waste	Pascal MOLLE
	Food by industry sector <i>(meat, milk, fish, cereals, legumes, oilseed, egg products, fruit and vegetable)</i>	
	Food by thematic field <i>(raw material, elderly people, refrigeration, packaging, processes, ...)</i>	
	Biomass excluding food	
	Urban liquid effluent repurposing/ sanitation	
	Bioeconomy and circular bioeconomy	