

| Team Name   | AI Agent Research Topics                                                          | Other Relevant AI Topics                                                | Source |
|-------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------|
| ABS         | None                                                                              | None                                                                    | –      |
| ACENTAURI   | Intelligent autonomous robots (multi-robot collaboration in dynamic environments) | Reinforcement learning, computer vision for perception and control      | 1      |
| ACUMES      | None                                                                              | None                                                                    | –      |
| AGORA       | None                                                                              | None                                                                    | –      |
| AIO         | None                                                                              | None                                                                    | –      |
| AIRSEA      | None                                                                              | None                                                                    | –      |
| AISTROSIGHT | None                                                                              | None                                                                    | –      |
| ALMANACH    | None                                                                              | Natural language processing (language modeling and digital humanities)  | 2      |
| ALPINES     | None                                                                              | None                                                                    | –      |
| ANGE        | None                                                                              | None                                                                    | –      |
| ANIMA       | None                                                                              | None                                                                    | –      |
| ANTIQUE     | None                                                                              | None                                                                    | –      |
| ARAMIS      | None                                                                              | Neuroimaging analysis with machine learning (brain signals and images)  | 3      |
| ARGO        | None                                                                              | Machine learning algorithms for graph data and distributed optimization | 4      |
| ARIC        | None                                                                              | None                                                                    | –      |
| AROMATH     | None                                                                              | None                                                                    | –      |
| ASCII       | None                                                                              | None                                                                    | –      |
| ASTRA       | Automated and safe transportation (autonomous vehicles)                           | Vehicle perception and autonomous navigation systems                    | 5      |
| ASTRAL      | None                                                                              | None                                                                    | –      |
| ATLANTIS    | None                                                                              | None                                                                    | –      |
| AUCTUS      | Robots for human collaboration in workplaces (cobotics)                           | Industrial automation and human-robot interaction                       | 6      |
| AVALON      | None                                                                              | None                                                                    | –      |

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|-----------|-------------------------------------------------------------------|-------------------------------------------------------------------------|--------|
| AVIZ      | None                                                              | None                                                                    | -      |
| AYANA     | AI for on-board remote sensing in space (autonomous satellites)   | Machine learning for satellite data analysis                            | 7      |
| BEAGLE    | None                                                              | Evolutionary computation and artificial life (genetic algorithms)       | 8      |
| BENAGIL   | None                                                              | None                                                                    | -      |
| BIOCORE   | None                                                              | None                                                                    | -      |
| BIOVISION | None                                                              | None                                                                    | -      |
| BIVWAC    | None                                                              | None                                                                    | -      |
| BONUS     | None                                                              | None                                                                    | -      |
| BOREAL    | None                                                              | Knowledge representation and rule-based reasoning on data (symbolic AI) | 9      |
| CAGE      | None                                                              | None                                                                    | -      |
| CAGIRE    | None                                                              | None                                                                    | -      |
| CALISTO   | None                                                              | None                                                                    | -      |
| CAMBIUM   | None                                                              | None                                                                    | -      |
| CAMIN     | None                                                              | None                                                                    | -      |
| CAMUS     | None                                                              | None                                                                    | -      |
| CANARI    | None                                                              | None                                                                    | -      |
| CAPSULE   | None                                                              | None                                                                    | -      |
| CARAMBA   | None                                                              | None                                                                    | -      |
| CARDAMOM  | None                                                              | None                                                                    | -      |
| CARMEN    | None                                                              | None                                                                    | -      |
| CASCADE   | None                                                              | None                                                                    | -      |
| CASH      | None                                                              | None                                                                    | -      |
| CASTOR    | None                                                              | None                                                                    | -      |
| CEDAR     | None                                                              | None                                                                    | -      |
| CELESTE   | None                                                              | Mathematical statistics and machine learning theory                     | 10     |
| CHROMA    | Cooperative, human-aware robot navigation in dynamic environments | Multi-robot coordination and sensor fusion                              | 11     |

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|-----------|----------------------------------------------------------------------|------------------------------------------------------------------|--------|
| COAST     | None                                                                 | None                                                             | -      |
| COATI     | None                                                                 | None                                                             | -      |
| COMETE    | None                                                                 | Fairness, privacy, and robustness in data-driven decision-making | 12     |
| COMMEDIA  | None                                                                 | None                                                             | -      |
| COMPACT   | None                                                                 | None                                                             | -      |
| COMPO     | None                                                                 | None                                                             | -      |
| CONCACE   | None                                                                 | None                                                             | -      |
| CONVECS   | None                                                                 | None                                                             | -      |
| CORSE     | None                                                                 | None                                                             | -      |
| COSMIQ    | None                                                                 | None                                                             | -      |
| CRONOS    | None                                                                 | None                                                             | -      |
| CTRL-A    | Autonomic computing systems (self-managing computing infrastructure) | Automated decision-making for resource management                | 13     |
| DANCE     | None                                                                 | None                                                             | -      |
| DATAMOVE  | None                                                                 | None                                                             | -      |
| DATASHAPE | None                                                                 | Topological data analysis and machine learning on complex data   | 14     |
| DEDUCTEAM | None                                                                 | None                                                             | -      |
| DEFROST   | Deformable robotics software (soft robots control and simulation)    | Real-time control algorithms for soft robotics                   | 15     |
| DEVINE    | None                                                                 | None                                                             | -      |
| DIANA     | None                                                                 | None                                                             | -      |
| DISCO     | None                                                                 | None                                                             | -      |
| DIVERSE   | None                                                                 | None                                                             | -      |
| DYLISS    | None                                                                 | None                                                             | -      |
| DYOGENE   | None                                                                 | None                                                             | -      |
| ECUADOR   | None                                                                 | None                                                             | -      |
| EDGE      | None                                                                 | None                                                             | -      |
| ELAN      | None                                                                 | None                                                             | -      |

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|------------|-------------------------------------------------------------------------|----------------------------------------------------------------------|--------|
| EMERAUDE   | None                                                                    | None                                                                 | –      |
| EMPENN     | None                                                                    | Medical image analysis with machine learning                         | 16     |
| EPICURE    | None                                                                    | None                                                                 | –      |
| EPIMETHEE  | None                                                                    | None                                                                 | –      |
| EPIONE     | None                                                                    | Medical data modeling and imaging with AI (digital patient modeling) | 17     |
| ERABLE     | None                                                                    | None                                                                 | –      |
| ERMINE     | None                                                                    | None                                                                 | –      |
| EVERGREEN  | None                                                                    | Machine learning for agro-environmental Earth observation challenges | 18     |
| EVREF      | None                                                                    | None                                                                 | –      |
| EX-SITU    | None                                                                    | None                                                                 | –      |
| FACTAS     | None                                                                    | None                                                                 | –      |
| FAIRPLAY   | Cooperative AI with multiple agents (fairness and incentive mechanisms) | Game theory and privacy in multi-agent systems                       | 19     |
| FLOWERS    | Developmental robotics (robots that learn and adapt like infants)       | Curiosity-driven learning and self-organization                      | 20     |
| FUN        | None                                                                    | None                                                                 | –      |
| GALLINETTE | None                                                                    | Automated reasoning (next-generation proof assistants)               | 21     |
| GAMBLE     | None                                                                    | None                                                                 | –      |
| GAMMAO     | None                                                                    | None                                                                 | –      |
| GENSCALE   | None                                                                    | None                                                                 | –      |
| GEOMERIX   | None                                                                    | None                                                                 | –      |
| GRACE      | None                                                                    | None                                                                 | –      |
| GRAPHDECO  | None                                                                    | None                                                                 | –      |
| HEKA       | None                                                                    | AI-driven health data analysis and knowledge discovery               | 22     |
| HEPHAISTOS | Assistive robotics for physiology (e.g., hexapod rehabilitation robots) | Robotic exoskeletons and human-in-the-loop control                   | 23     |

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|-----------|-----------------------------------------------------------------------|-------------------------------------------------------------------|--------|
| HYBRID    | None                                                                  | None                                                              | -      |
| HYCOMES   | None                                                                  | None                                                              | -      |
| I4S       | None                                                                  | None                                                              | -      |
| IDEFIX    | None                                                                  | None                                                              | -      |
| ILDA      | None                                                                  | None                                                              | -      |
| INBIO     | None                                                                  | None                                                              | -      |
| INOCs     | None                                                                  | None                                                              | -      |
| KAIROS    | None                                                                  | None                                                              | -      |
| KERDATA   | None                                                                  | None                                                              | -      |
| KOPERNIC  | None                                                                  | None                                                              | -      |
| LACODAM   | None                                                                  | Large-scale data mining and collaborative machine learning        | 24     |
| LARSEN    | Long-term autonomy and interaction for robots in sensing environments | Lifelong machine learning for robot skills                        | 25     |
| LEMON     | None                                                                  | None                                                              | -      |
| LIFEWARE  | None                                                                  | None                                                              | -      |
| LINKMEDIA | None                                                                  | Multimedia data linking and retrieval using AI                    | 26     |
| LINKS     | None                                                                  | None                                                              | -      |
| LOKI      | None                                                                  | None                                                              | -      |
| M3DISIM   | None                                                                  | None                                                              | -      |
| MAASAI    | None                                                                  | Models and algorithms advancing artificial intelligence           | 27     |
| MACARON   | None                                                                  | Machine learning methods optimized for numerical simulations      | 28     |
| MACBES    | None                                                                  | None                                                              | -      |
| MAGELLAN  | None                                                                  | None                                                              | -      |
| MAGNET    | None                                                                  | Machine learning in information networks (graph and network data) | 29     |
| MAKUTU    | None                                                                  | None                                                              | -      |

| Team Name  | AI Agent Research Topics | Other Relevant AI Topics                                                 | Source |
|------------|--------------------------|--------------------------------------------------------------------------|--------|
| MALICE     | None                     | Machine learning integrated with surface engineering knowledge           | 30     |
| MANAO      | None                     | None                                                                     | -      |
| MARACAS    | None                     | None                                                                     | -      |
| MATHERIALS | None                     | None                                                                     | -      |
| MATHEXP    | None                     | None                                                                     | -      |
| MATHNEURO  | None                     | None                                                                     | -      |
| MATHRISK   | None                     | None                                                                     | -      |
| MAVERICK   | None                     | None                                                                     | -      |
| MCTAO      | None                     | None                                                                     | -      |
| MEMPHIS    | None                     | None                                                                     | -      |
| MERGE      | None                     | None                                                                     | -      |
| MFX        | None                     | None                                                                     | -      |
| MICROCOSME | None                     | None                                                                     | -      |
| MIMESIS    | None                     | Medical simulation and computational anatomy (digital twins in medicine) | 31     |
| MIMETIC    | None                     | None                                                                     | -      |
| MIMOVE     | None                     | None                                                                     | -      |
| MIND       | None                     | AI for neuroimaging and cognitive data (brain data modeling)             | 32     |
| MINGUS     | None                     | None                                                                     | -      |
| MNEMOSYNE  | None                     | None                                                                     | -      |
| MOCQUA     | None                     | None                                                                     | -      |
| MODAL      | None                     | Data analysis and learning models (applied mathematics & ML)             | 33     |
| MOEX       | None                     | None                                                                     | -      |
| MOKAPLAN   | None                     | None                                                                     | -      |
| MONC       | None                     | None                                                                     | -      |
| MORPHEME   | None                     | None                                                                     | -      |

| Team Name   | AI Agent Research Topics | Other Relevant AI Topics                                          | Source |
|-------------|--------------------------|-------------------------------------------------------------------|--------|
| MORPHEO     | None                     | Computer vision: capturing and analyzing dynamic 3D shapes        | 34     |
| MOSAIC      | None                     | None                                                              | -      |
| MULTISPEECH | None                     | Speech recognition and multimodal interaction using AI            | 35     |
| MUSCA       | None                     | None                                                              | -      |
| MUSCLEES    | None                     | None                                                              | -      |
| MUSICS      | None                     | None                                                              | -      |
| NEO         | None                     | None                                                              | -      |
| NERV        | None                     | None                                                              | -      |
| OCKHAM      | None                     | None                                                              | -      |
| ODYSSEY     | None                     | None                                                              | -      |
| OLAS        | None                     | None                                                              | -      |
| OPIS        | None                     | Optimization and machine learning for large-scale biomedical data | 36     |
| OURAGAN     | None                     | None                                                              | -      |
| PACAP       | None                     | None                                                              | -      |
| PARADYSE    | None                     | None                                                              | -      |
| PARKAS      | None                     | None                                                              | -      |
| PARMA       | None                     | None                                                              | -      |
| PARTOUT     | None                     | None                                                              | -      |
| PASTA       | None                     | None                                                              | -      |
| PESTO       | None                     | None                                                              | -      |
| PETRUS      | None                     | None                                                              | -      |
| PETSCRAFT   | None                     | None                                                              | -      |
| PICUBE      | None                     | None                                                              | -      |
| PIRAT       | None                     | None                                                              | -      |
| PIXEL       | None                     | None                                                              | -      |
| PLATON      | None                     | None                                                              | -      |
| PLEIADE     | None                     | None                                                              | -      |
| POEMS       | None                     | None                                                              | -      |

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|------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|--------|
| POLARIS    | None                                                                  | None                                                                 | -      |
| POTIOC     | None                                                                  | None                                                                 | -      |
| PREMEDICAL | None                                                                  | Causal learning and data integration for precision medicine          | 37     |
| PRIVATICS  | None                                                                  | None                                                                 | -      |
| PROSECCO   | None                                                                  | None                                                                 | -      |
| QINFO      | None                                                                  | None                                                                 | -      |
| QUACS      | None                                                                  | None                                                                 | -      |
| QUANTIC    | None                                                                  | None                                                                 | -      |
| QURIOSITY  | None                                                                  | None                                                                 | -      |
| RAINBOW    | Sensor-based robotics and human-robot interaction                     | Visual servoing and haptic feedback in robots                        | 38     |
| RANDOPT    | None                                                                  | None                                                                 | -      |
| RAPSODI    | None                                                                  | None                                                                 | -      |
| RESIST     | None                                                                  | None                                                                 | -      |
| ROBOTLEARN | Learning-based perception and control for social robots               | Deep learning for robot vision and motion planning                   | 39     |
| ROMA       | None                                                                  | None                                                                 | -      |
| SAIRPICO   | None                                                                  | None                                                                 | -      |
| SCOOOL     | Sequential decision-making under uncertainty (reinforcement learning) | Markov decision processes and planning algorithms                    | 40     |
| SEMAGRAMME | None                                                                  | None                                                                 | -      |
| SERENA     | None                                                                  | None                                                                 | -      |
| SIERRA     | None                                                                  | Machine learning and optimization algorithms                         | 41     |
| SIMBA      | None                                                                  | None                                                                 | -      |
| SIMBIOTX   | None                                                                  | None                                                                 | -      |
| SIMSMART   | None                                                                  | None                                                                 | -      |
| SISTM      | None                                                                  | None                                                                 | -      |
| SODA       | None                                                                  | Data science approaches for health and social data (statistics & ML) | 42     |



| Team Name | AI Agent Research Topics | Other Relevant AI Topics                                                 | Source |
|-----------|--------------------------|--------------------------------------------------------------------------|--------|
| SPADES    | None                     | None                                                                     | -      |
| SPHINX    | None                     | None                                                                     | -      |
| SPIRALS   | None                     | None                                                                     | -      |
| SPLITS    | None                     | None                                                                     | -      |
| STACK     | None                     | None                                                                     | -      |
| STAMP     | None                     | None                                                                     | -      |
| STARS     | None                     | Computer vision for spatio-temporal activity and interaction recognition | 43     |
| STATIFY   | None                     | None                                                                     | -      |
| STEEP     | None                     | None                                                                     | -      |
| STORM     | None                     | None                                                                     | -      |
| SUSHI     | None                     | None                                                                     | -      |
| SYCOMORES | None                     | None                                                                     | -      |
| TADAAM    | None                     | None                                                                     | -      |
| TANGRAM   | None                     | None                                                                     | -      |
| TARAN     | None                     | None                                                                     | -      |
| TAU       | None                     | None                                                                     | -      |
| THOTH     | None                     | Computer vision and deep learning for large-scale visual data            | 44     |
| TITANE    | None                     | None                                                                     | -      |
| TOCCATA   | None                     | None                                                                     | -      |
| TOPAL     | None                     | None                                                                     | -      |
| TRIBE     | None                     | None                                                                     | -      |
| TRIPOP    | None                     | None                                                                     | -      |
| TROPICAL  | None                     | None                                                                     | -      |
| TYREX     | None                     | None                                                                     | -      |
| VALDA     | None                     | None                                                                     | -      |
| VALSE     | None                     | None                                                                     | -      |
| VERIDIS   | None                     | None                                                                     | -      |
| VIRTUS    | None                     | None                                                                     | -      |

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|-----------|-------------------------------------------------------------------|----------------------------------------------------------------|--------|
| WHISPER   | None                                                              | None                                                           | –      |
| WIDE      | None                                                              | None                                                           | –      |
| WILLOW    | Embodied computer vision (vision with physical embodiment/robots) | Deep learning for scene understanding and robot perception     | 45     |
| WIMMICS   | None                                                              | Web semantics and knowledge representation (ontology-based AI) | 46     |
| ZENITH    | None                                                              | None                                                           | –      |

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<https://radar.inria.fr/report/2024/acentaury/index.html>

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31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 Inria - Rapports d'activités 2024

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