

## [별첨] 호라이즌 유럽 개요

(2026.03. 전북테크노파크)

### □ 호라이즌 유럽(Horizon Europe, HE) 개요

- (개요) ‘21~‘27년 955억€(약 140조원)를 지원하는 9차 EU 연구혁신 재정 지원 프로그램(FP9차)\*
  - \* EU가 회원국 간 중복 투자 회피, R&D 환경 혁신을 위해 Framework Programmes(FP)를 통해 단일 R&D 선정·평가 및 과제 관리·정산 시스템을 운영 중('84~)
- (구성) 기초연구인력 교류(Pillar 1), **글로벌 문제해결 기술개발(Pillar 2)**, 창업/혁신 지원(Pillar 3) 등으로 구성
- (자격조건) 전 세계 모든 연구 관련 법적 기관(대학, 연구기관, 기업 등) 소속 연구자 참여 가능. 다만, EU로부터 연구비를 직접 수혜받을 수 있는 자격은 EU 회원국 또는 준회원국 소속 기관의 연구자에 한하며, 제3국의 경우 사업 공고의 조건에 따라 연구비 직접 수혜가능 여부가 달라짐. 회원국(EU 27개 회원국)/**준회원국(분담금 납부)**/제3국으로 구분.
- (참여지위) 우리나라의 경우, 준회원국 가입(2024.3.25.)협상이 타결됨에 따라 2025년 과제부터 **호라이즌 유럽 Pilar 2 공고에 한하여 준회원국으로 참여**, EU로부터 연구비 직접 수혜 가능. 연구책임자(Coordinator)나 연구비 수혜자(Beneficiary)로 호라이즌 연구과제에 참여할 수 있고, 별도의 국내 선정 과정없이 호라이즌 유럽 예산에서 직접 연구비를 받을 수 있게 됨.

구분	기존 (제3국 지위)	준회원국
과제 참여	<ul style="list-style-type: none"> <li>· 제3국 지위임에 따라, 호라이즌 유럽 과제 직접 지원 불가</li> <li>· 회원국 또는 준회원국 연구자 중심으로 구성된 컨소시엄 파트너 연구자(Associated Partners)로만 참여 가능</li> </ul>	<ul style="list-style-type: none"> <li>· 호라이즌 유럽(EC)에 직접 과제신청이 가능하며, 회원국 또는 준회원국과 동등하게 공동 연구책임자(PI)로 호라이즌 유럽 과제 지원 가능</li> </ul>
연구비 수혜	<ul style="list-style-type: none"> <li>· 호라이즌 유럽(EU)로부터 연구비 직접 수혜 불가 (파트너 연구자로 참여한 경우 필요 연구비는 연구자가 자체 조달)</li> </ul>	<ul style="list-style-type: none"> <li>· 선정 시 호라이즌 유럽(EC)에서 직접 연구비 수혜 및 정산 진행</li> </ul>
사업기획 참여	<ul style="list-style-type: none"> <li>· 한국은 제3국 지위임에 따라 호라이즌 유럽 프로그램위원회 참여 불가</li> </ul>	<ul style="list-style-type: none"> <li>· 호라이즌 유럽 프로그램 위원회에 참관인(Observer)으로 참여 및 주요의제 관련 의견 제시 가능</li> </ul>

□ HE 회원국 (Member States)

- 오스트리아, 벨기에, 불가리아, 크로아티아, 키프로스(사이프러스), 체코, 덴마크, 에스토니아, 핀란드, 프랑스, 독일, 그리스, 헝가리, 아일랜드, 이탈리아, 라트비아, 리투아니아, 룩셈부르크, 몰타, 네덜란드, 폴란드, 포르투갈, 루마니아, 슬로바키아, 슬로베니아, 스페인, 스웨덴

□ HE 준회원국 (Associated Countries)

- 알바니아, 아르메니아, 보스니아-헤르체고비나, 코소보, 파로제도, 조지아, 아이슬란드, 이스라엘, 몰도바, 몬테네그로, 북마케도니아, 노르웨이, 세르비아, 튀니지, 튀르키예, 우크라이나, 캐나다, 뉴질랜드, 영국, **대한민국**

【참고】 Horizon Europe 구조 및 예산('21~'27)

(단위: 억€)

Pillar 1. 우수 과학: 기초연구, 인력교류		Pillar 2. 글로벌 도전과제, 유럽산업 경쟁력			Pillar 3. 유럽의 혁신: EU 산업계 지원		유럽 연구공간(ERA) 참여 확대 및 강화	
유럽연구 위원회 (ERC)	160	클러스터	1. 보건(Health)	82.5	유럽 혁신위원회	106	참여확대 및 탁월성 전파	29.6
마리퀴리 인력교류 프로그램	66		2. 문화창의성 및 포용적 사회 (Culture, Creativity and Inclusive Society)	22.8	유럽 혁신 생태계			
			3. 사회를 위한 시민 안보 (Civil security for Society)	16.0				
			4. 디지털 산업, 우주 (Digital, Space and Industry)	153.5				
연구 기반시설	24		5. 기후, 에너지 및 모빌리티 (Climate, Energy and Mobility)	151.2	유럽 혁신 및 기술연구소	30	유럽 연구 혁신 시스템 개혁 및 강화	4.4
			6. 식량, 바이오경제, 천연자원, 농업 및 환경 (Food, Bioeconomy, Natural Resources, Agriculture and Environment)	89.5				
		공동연구센터 Joint Research Center (JRC, 과학기술정책 연구센터)	19.7					
<b>250(37조원)</b>		<b>535(78조원)</b>			<b>136(20조원)</b>		<b>34(5조원)</b>	
<b>총 계 955(100%, 140조원)</b>								

- 3개 핵심 영역(Pillar) 및 유럽연구공간(ERA) 참여 확대 별로 예산 배분
- 대부분의 지원방식은 보조금이며, 지원 적격 심사에서 연구내용의 우수성, 영향력, 실용화 이후 품질 및 효율성 등이 고려
- 국가 및 지역별로 할당된 건수나 규모가 정해져 있지 않으며, 유럽연합집행위 및 산하 집행기관, 유관 컨소시엄 등이 집행 및 관리

### 【참고】 Horizon Europe 사업 유형

- **RIA(연구혁신과제)** : 주로 낮은 기술성숙도(TRL2-6)을 다루는 연구 프로젝트
- **IA(혁신과제)**: 높은 TRL(6-8)을 다루며, RIA 펀딩 비율이 100%인데 반해 IA의 경우, 영리 법인에 한해 70% 펀딩 비율을 적용(총 과제 비용의 70%만 지급)
- **CSA(조정지원과제)**: 직접적인 연구 과제는 아니지만 인식 제고, 소통, 네트워킹, 정책 대화, 상호 학습과 같은 수반 과제를 지칭
- **기타 유형**: ▲FTI (Fast Track to Innovation), ▲PCP (Pre-Commercial Procurement), ▲PPI (Public Procurement of Innovative solutions)

### 【참고】 Two-stage application procedure

- 2단계로 진행되는 신청절차에서는 **1단계에서 컨셉트 노트(concept note)**를 제출하고, 통과시 **2단계에서 최종 제안서(full project proposal)**를 제출하게 됨.

### 【참고】 연구전략에 반드시 포함되어야 할 가치과 주제 제시

- 양성평등 및 포괄성 등 각종 차별이나 편견 배제
  - 연구개발 파트너십, 미션 및 제반활동 내 인문사회과학의 효율적 통합
  - 연구 기초 윤리를 EU 외 파트너국에게도 확장하며, AI 분야 등 첨단기술 연구 및 도입 과정에서의 사회적 영향에 대해 면밀한 검토 필요
  - 연구 데이터, 지식, 방법론, 결과물, 도구의 교류 및 교환 촉진과 시민사회의 참여 확대 및 개방형 과학 실천
  - 교육, 훈련, 시장 진출을 고려한 연구 성과 확산 및 활용 촉진
  - KET(Key Enabling Technologies)\*개발에 초점
- \*첨단소재 나노기술, 포토닉스, 마이크로나노전자, 생명과학기술, 첨단제조기술, 인공지능, 디지털 보안, 연결성
- 유럽 그린 딜과 EU 지속가능금융을 염두에 둔 글로벌 기준을 목표로 한 EU 분류체계(Taxonomy) 마련 추진

#### ○ (기대효과)

- 다자간 과학기술 연구협력 네트워크 확대
- 우수한 과학기술 역량을 가진 EU 연구자와 호라이즌 유럽 연구 과제를 통한 공동연구 추진 기반을 확보
- 장기간 운영된 EU의 R&D 기획·선정·평가 시스템의 선진 노하우를 살펴볼 수 있는 기회
- 기존의 국가혁신시스템 운영 방식을 탈피하여 전 세계의 기술혁신자원을 적극 활용하는 개방형 혁신(Open Innovation)체계 매개체 역할 기대

□ Pillar 2-클러스터 1 보건·의료 범위

<b>Pillar 2.</b> 글로벌 도전과제, 유럽산업 경쟁력	
클러스터	1. 보건
	2. 문화창의성 및 포용적 사회
	3. 사회를 위한 시민 안보
	4. 디지털 산업 우주
	5. 기후, 에너지 및 모빌리티
	6. 식량, 바이오경제, 천연자원, 농업 및 환경
공동연구센터	

**1. 보건·의료(Health)** 전체 예산의 15%

건강한 삶 유지 및 의료서비스의 수준을 제고할 수 있는 혁신적인 방안 개발과 지식 확산을 지원.

- 인간의 건강과 복지 증진, 질병 예방, 개인과 지역사회의 질병과 장애에 대한 부담 경감, 보편적 의료서비스 제공을 목표로 지속가능하고 경쟁력 있는 유럽의 건강 관련 산업 육성을 지원
- 건강 분야 클러스터의 R&I(Research & Innovation)로 건강과 질병에 대한 이해를 확장하고, 이를 관리하기 위한 혁신적인 방법론과 기술 솔루션 개발을 지원할 예정
- 수요자 중심의 의료 서비스와 신뢰할 수 있는 의료 공급망을 구축하여 개인 중심의 보건 및 의료 서비스로의 전환에 기여

**【참고】 주요 도달 목표 (Destination)**

- **빠르게 변화하는 사회에서 건강 유지**
    - 인간건강과 노화에 대한 이해
    - 사회 취약집단, 신체적·정신적 장애에 대한 관리
    - 출산 전후 질병에 대한 예측과 예방, 맞춤형 치료기술
  - **건강한 생활 및 근무 환경**
    - 인간 건강과 관련된 환경, 직업 환경
  - **질병 치료 및 부담 저감**
    - 신속 정확한 질병 진단 및 방법론
    - 전염병 탐지, 치료 및 관리
    - 개인 맞춤형 의료, 혁신적이고 최적화된 임상기술
    - 희귀질환 치료
  - **고품질 의료 서비스에 대한 접근성**
    - 의료 데이터의 국가 간 자유로운 이동과 상호운영을 위한 시범사업
    - 빅데이터를 활용한 질병의 탐지, 진단, 모니터링
    - 본인 의료정보에 대한 접근, 자가진단
    - 디지털 기반의 혁신적 의료기술
- **(연구참여 조건) 3개국 3개 기관(기업) 이상의 컨소시엄 구성**
- HE (준)회원국 중 최소 3개국 3개 연구기관(기업)으로 구성
  - ※ 통상 최소 5개국 10개 연구기관으로 구성

□ 클러스터 1에 공개된 2026~2027 연구 주제 수

구분	클러스터 명	연구주제 수 (개)	지원과제 수 (건)	총 예산 (백만€)
클러스터1	보건 (Health)	36	152	1,334.00

※ 해당 표에 포함된 '총 예산'은 클러스터별 워크프로그램 총 예산이 아니며, 일반적인 공고 (Call)의 '총 예산'만을 포함

※ 상기 내용은 '초안'이므로 연구 주제 수, 지원 과제 수, 총 예산 등이 향후 변경될 수 있음

□ 클러스터 1 - Health Cluster 도달목표(Destination)별 연구 주제 수

구분	도달목표(Destination)	연구주제 수 (개)	지원과제 수 (건)	총 예산 (백만€)
1	Staying Healthy in a rapidly changing society (STAYHLTH) 건강유지	2	7	61.00
2	Living and working in a health-promoting environment (ENVHLTH) 건강에 대한 환경 영향	5	23	170.00
3	Tackling diseases and reducing disease burden (DISEASE) 질병 퇴치	15	63	647.00
4	Ensuring equal access to innovative, sustainable, and high-quality healthcare (CARE) 헬스케어	4	15	130.00
5	Developing and using new tools, technologies and digital solutions for a healthy society (TOOL) 의료기기/기술/솔루션	7	29	231.00
6	Maintaining an innovative, sustainable, and competitive EU health Industry (IND) EU보건산업	3	15	95.00
총 계		36	152	1,334.00

□ 2026~2027년도 공고(Call) 예산 및 예정일

공고번호	도달목표	신청 기간	예산 (백만€)
HORIZON-HLTH-2026-01	1, 2, 3, 4, 5, 6	2026.2.10.~2026.4.16	456.00
HORIZON-HLTH-2026-02	3	2026.2.10.~2026.9.15	93.00
HORIZON-HLTH-2026-03	3	2027.2.10.~2027.4.13	73.00
HORIZON-HLTH-2026-04	4	2026.2.10.~2026.4.16	15.00
HORIZON-HLTH-2027-01	1, 2, 3, 4, 5, 6	2027.2.10.~2027.4.13	414.00
HORIZON-HLTH-2027-02 -two-stage	3, 5, 6	2027.2.10.~2027.4.13., 2027.9.22	190.00
HORIZON-HLTH-2027-03	5	2027.6.3.~2027.9.22	93.00
총 계			1,334.00

※ 대상 공고(Call) 체크 必, 제안서 제출 일자가 '26. 3 ~ '27. 2. 이내인 과제에 한함.

□ 클러스터1 연구 주제(Topics)별 선정 과제 수 및 예산

공고 번호	유형	클러스터 1 주제(Topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Destination STAYHLTH (건강 유지)</b>					
HORIZON-HLTH-2026-01-STAYHLTH-XX					
02	RIA	Behavioural interventions as primary prevention for Non-Communicable Diseases (NCDs) among young people	2	9-10	21
HORIZON-HLTH-2027-01-STAYHLTH-XX					
01	RIA	Addressing disabilities through the life course to support independent living and inclusion	5	6-8	40
<b>Destination ENVHLTH (환경 영향)</b>					
HORIZON-HLTH-2026-01-ENVHLTH-XX					
01	RIA	Towards a better understanding and anticipation of the impacts of climate change on health	7	7-8	55
04	RIA	Towards climate resilient, prepared and carbon neutral populations and healthcare systems	7	7-8	50
05	CSA	Support for a multilateral initiative on climate change and health research	1	around 3	3
HORIZON-HLTH-2027-01-ENVHLTH-XX					
02	RIA	Integrating climate-related exposures into the human exposome and characterising its changes in response to climate change	4	10-11	42
03	PCP	Tools and technologies to support health adaptation to climate change	4	4-5	20
<b>Destination DISEASE (질병 퇴치)</b>					
HORIZON-HLTH-2026-01-DISEASE-XX					
02	RIA	Innovative interventions to prevent the harmful effects of using digital technologies on the mental health of children and young adults	6	around 8	45
03	RIA	Advancing research on the prevention, diagnosis, and management of post-infection long-term conditions	5	6-8	40
04	RIA	Development of novel vaccines for viral pathogens with epidemic potential	5	around 10	45
09	RIA	Multisectoral approach to tackle chronic non-communicable diseases: implementation research maximising collaboration and coordination with sectors and in settings beyond the healthcare system (GACD)	3	3-4	12
11	RIA	Understanding of sex and/or gender-specific mechanisms of cardiovascular diseases: determinants, risk factors and pathways	6	6-7	40
15	CSA	Scaling up innovation in cardiovascular health	1	around 2	2

공고 번호	유형	클러스터 1 주제(Topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
HORIZON-HLTH-2026-02-DISEASE-XX					
12	COFUND	European Partnership on Rare Diseases (ERDERA) (Phase 2)	1	around 93	93
HORIZON-HLTH-2026-03-DISEASE-XX					
13	COFUND	European partnership for pandemic preparedness (Phase 2)	1	around 73	73
HORIZON-HLTH-2027-01-DISEASE-XX					
05	RIA	Development of novel broad spectrum small molecule antiviral therapeutics for pathogens with epidemic potential	5	around 10	45
06	RIA	Development of monoclonal antibodies to prevent and treat infections from Flaviviridae	5	around 10	45
07	RIA	Development of monoclonal antibodies to prevent and treat infections from Filo-, Nairo-, Phenui-, Picorna- and Toga Viridae	5	around 10	45
08	RIA	Development of innovative antimicrobials against critical pathogens resistant to antimicrobials	5	8-10	45
10	RIA	Prevention and management of chronic non-communicable diseases in children and young people (GACD)	3	3-4	12
HORIZON-HLTH-2027-02-DISEASE-XX-two-stage					
01	RIA	Innovative healthcare interventions for non-communicable diseases	8	7-8	65
14	RIA	Clinical trials for advancing innovative interventions for neurodegenerative diseases	4	around 10	40
<b>Destination CARE (헬스케어)</b>					
HORIZON-HLTH-2026-01-CARE-XX					
01	PPI	Public procurement of innovative solutions for improving citizens' access to healthcare through integrated and personalised approaches	4	3-8	25
03	RIA	Identifying and addressing low-value care in health and care systems	5	around 10	45
HORIZON-HLTH-2026-04-CARE-XX					
04	COFUND	Enhancing and enlarging the European Partnership on Personalised Medicine (EP PerMed) (Top-up)	1	around 15	15
HORIZON-HLTH-2027-01-CARE-XX					
02	RIA	Personalised approaches to reduce risks from Adverse Drug Reactions due to administration of multiple medications	5	8-10	45

공고 번호	유형	클러스터 1 주제(Topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Destination TOOL (의료기기/기술/솔루션)</b>					
HORIZON-HLTH-2026-01-TOOL-XX					
03	RIA	Integrating New Approach Methodologies (NAMs) to advance biomedical research and regulatory testing	7	5-8	50
06	CSA	Support to European Research Area (ERA) action on accelerating New Approach Methodologies (NAMs) to advance biomedical research and testing of medicinal products and medical devices	1	around 3	3
HORIZON-HLTH-2027-01-TOOL-XX					
05	IA	Pilot Actions for Follow-on Funding: Leveraging EU-funded Collaborative Research in Regenerative Medicine	5	6-8	40
HORIZON-HLTH-2027-02-TOOL-XX-two-stage					
01	RIA	Development of predictive biomarkers of disease progression and treatment response by using AI methodologies for chronic non-communicable diseases	6	6-8	45
HORIZON-HLTH-2027-03-TOOL-XX					
02	RIA	Advancing bio-printing of living cells for regenerative medicine	5	7-10	45
04	RIA	Virtual Human Twins (VHTs) for integrated clinical decision support in prevention and diagnosis	4	10-12	45
08	CSA	Towards Artificial General Intelligence (AGI) for healthcare	1	around 3	3
<b>Destination IND (보건산업)</b>					
HORIZON-HLTH-2026-01-IND-XX					
03	RIA	Regulatory science to support translational development of patient-centred health technologies	4	4-6	20
HORIZON-HLTH-2027-01-IND-XX					
01	RIA	Development of cell-free protein synthesis platforms for discovery and/or production of biologicals	5	6-8	35
HORIZON-HLTH-2027-02-IND-XX-two-stage					
02	IA	Portable and versatile Point-of-care diagnostics	6	5-7	40

□ 클러스터 4에 공개된 2026~2027 연구 주제 수

구분	클러스터 명	연구주제 수 (개)	지원과제 수 (건)	총 예산 (백만€)
클러스터4	디지털, 우주, 산업 (Digital, Space and Industry)	77	273	1,920.80

※ 해당 표에 포함된 '총 예산'은 클러스터별 워크프로그램 총 예산이 아니며, 일반적인 공고(Call)의 '총 예산'만을 포함

※ 상기 내용은 '초안'이므로 연구 주제 수, 지원 과제 수, 총 예산 등이 향후 변경될 수 있음

□ 클러스터 4- Digital, Space, Industry 도달목표(Destination)별 연구 주제 수

구분	도달목표(Destination)	연구주제 수 (개)	지원과제 수 (건)	총 예산 (백만€)
1	Achieving global leadership in climate-neutral, circular and digitised industrial and digital value chains (TWIN-TRANSITION) 첨단 제조, 청정 가공 등	-	-	-
2	Leadership in materials and production for Europe (MATERIALS-PRODUCTION) 원자재, 첨단소재 등	31	141	1,036.80
3	Developing an agile and secure single market and infrastructure for data-services and trustworthy artificial intelligence services (DATA) 데이터, 인공지능 등	6	13	188.00
4	Achieving open strategic autonomy in digital and emerging enabling technologies (DIGITAL-EMERGING) 양자 기술, HPC, AI 등	24	55	441.00
5	Open Strategic Autonomy in Developing, Deploying and Using Global Space-Based Infrastructure, Services, Applications and Data (SPACE) 우주, 지구관측, 위성 등	11	44	155.00
6	Digital and industrial technologies driving human-centric innovation (HUMAN) 가상세계 등	5	20	100.00
총 계		77	273	1,920.80

□ 2026~2027년도 공고(Call) 예산 및 예정일

공고번호	도달목표	신청 기간	예산 (백만€)
HORIZON-CL4-2026-01	2, 4	2026.1.6 ~ 2026.4.8	619.80
HORIZON-CL4-2026-02		2026.1.6 ~ 2026.4.8, 2026.10.27	
HORIZON-CL4-2027-01	2, 4	2026.9.22 ~ 2027.2.2	528.00
HORIZON-CL4-2027-02		2026.9.22 ~ 2027.2.2, 2027.9.2	
HORIZON-CL4-SPACE-2026-03	5	2026.3.10 ~ 2026.9.3	100.00
HORIZON-CL4-SPACE-2027-03	5	2027.3.9 ~ 2027.9.9	55.00
HORIZON-CL4-2026-04	3, 4, 6	2026.1.15 ~ 2026.4.15	297.00
HORIZON-CL4-2027-04	3, 4, 6	2026.11.17 ~ 2027.3.18	164.00
HORIZON-CL4-2026-05	2, 4	2026.1.15 ~ 2026.4.15	112.00
HORIZON-CL4-2027-05	4	2026.11.17 ~ 2027.3.18	45.00
총 계			1,920.800

※ 대상 공고(Call) 체크 必, 제안서 제출 일자가 '26. 3 ~ '27. 2. 이내인 과제에 한함.

□ 클러스터 4 연구 주제(Topics)별 선정 과제 수 및 예산

공고 번호	유형	클러스터 4 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Destination MATERIALS-PRODUCTION (소재 생산)</b>					
<b>Sustainable Advanced Materials, Raw Materials and Chemicals</b>					
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-XX					
21	IA	New advanced materials and chemicals - reducing dependencies substances of concern (IA) (and Processes4Planet partnerships)	6	6-7.5	40
23	IA	Accelerating the discovery of chemicals and advanced materials through artificial intelligence and digitalisation (IA) (IAM4EU partnership)	3	20	60
24	CSA	Cooperation on innovative advanced materials with Japan (CSA)	1	around 0.8	0.8
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-XX					
22	IA	New advanced materials and chemicals - reducing dependencies on CRM and subs (IA) (IAM4EU and Processes4Planet partnerships)	6	6-7.5	40
<b>Fast-tracking Circularity</b>					
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-XX					
01	IA	Advanced manufacturing for key products (including use of advanced or secondary raw materials) (IA) (Made in Europe and IAM4EU partnerships)	6	5-7	40
04	RIA	Optimise the usage of resources in the production phase of the circular economy (RIA) (Processes4Planet and Clean Steel partnerships)	10	5-7	70
05	RIA	Circular advanced materials: facilitating the transition from design to markets (RIA) (IAM4EU and Made in Europe partnerships)	7	5-6.5	40
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-XX					
02	IA	Advanced manufacturing for key products (including use of advanced or secondary raw materials) (IA) (Made in Europe and IAM4EU partnerships)	6	5-7	40
08	IA	Advanced processing and manufacturing technologies, business models and system approaches for competitive textile circularity (IA) (Textiles for the Future partnership)	3	4-6	16
03	RIA	Factory processes and automation for de- and re-manufacturing (RIA) (Made in Europe partnership)	6	5-6.5	40
06	RIA	Circular advanced materials: facilitating the transition from design to markets (RIA) (IAM4EU and Made in Europe partnerships)	7	5-6.5	40
<b>Disruptive technologies for carbon capture and clean energy use</b>					
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-XX					
31	RIA	Efficient capture/purification/utilisation of CO2 for the production of competitive products (RIA) (Processes4Planet partnership)	10	5-7	55

공고 번호	유형	클러스터 4 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-XX					
32	RIA	Efficient generation and upgrading of heat from renewable sources and heat management in the process industries (IA) (Processes4Planet and IAM4EU partnerships)	9	6-8	70
<b>Clean Industrial Deal</b>					
HORIZON-CL4-2026-01-CID-XX					
X1	IA	R&I in Support of the Clean Industrial Deal: Decarbonisation of energy intensive industries (Processes4Planet and Clean Steel partnerships)	5	20-25	125
HORIZON-CL4-2027-01-CID-XX					
X2	IA	R&I in Support of the Clean Industrial Deal: Decarbonisation of energy intensive industries (Processes4Planet and Clean Steel partnerships)	5	20-25	125
<b>Technology infrastructure, knowledge valorisation and support for scaleups and startups</b>					
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-XX					
Y1	CSA	Enhancing industry-academia knowledge exchange in Social Sciences and Humanities (SSH) (CSA)	2	around 1	2
Y4	CSA	Integration of Technology Infrastructure capacities (CSA)	3	1.5-2	6
Y5	CSA	Pilot access programme to Technology Infrastructures for European startups and scaleups (CSA)	2	1.5-2.5	5
Y6	CSA	Support to the coordination framework for Technology Infrastructure (CSA)	1	around 1	1
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-XX					
Y2	CSA	Unlocking the potential of intellectual assets for industry, SMEs and startups (CSA)	2	around 1	2
Y7	CSA	Pilot access programme to Technology Infrastructures for European startups and scaleups (CSA)	2	1.5-2.5	5
41	FTI	Breakthrough innovations in industrial technologies (Fast Track to Innovation)	8	around 2.5	20
42	FTI	Breakthrough innovations for the Chemical Industry Action Plan (Fast Track to Innovation)	6	around 2.5	15
<b>Raw Materials</b>					
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-XX					
11	RIA	Innovative technologies and tools for exploration and data modelling of raw materials (RIA)	3	5-7	20
12	RIA	Technologies for innovative extraction of critical raw materials (RIA)	3	5-7	20
13	CSA	Monitoring of secondary raw materials (CSA)	2	around 2.5	5

공고 번호	유형	클러스터 4 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
14	IA	Improving availability of secondary raw materials through recycling (IA)	4	6-7.5	30
15	RIA	Technologies for innovative processing and refining of raw materials (RIA)	5	around 5	25
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-XX					
16	IA	Technologies for innovative processing of raw materials (IA)	4	10-12.5	52
17	CSA	Expert network on Critical raw materials	1	around 3	3
<b>Innovative Advanced Materials</b>					
HORIZON-CL4-2026-05-MATERIALS-PRODUCTION-XX					
01	RIA	New or enhanced Innovative Advanced Materials (IAM) enabled sensing functionality (RIA)	3	around 8	24
<b>Destination DATA (데이터)</b>					
<b>Telco-Edge-Cloud continuum/3C Network (Connected Collaborative Computing) and Open Internet Stack</b>					
HORIZON-CL4-2026-04-DATA-XX					
01	IA	Demand-side 3C pilot demonstrators on converged Telco Edge Cloud Infrastructure	2	around 19	38
02	RIA	Open Internet Stack Sovereign Solutions	2	7-11	22
03	CSA	Open Internet Stack Support for Scale	1	around 4	4
<b>Data (under AI, Data and Robotics partnership)</b>					
HORIZON-CL4-2026-04-DATA-XX					
06	IA	Efficient and compliant access to and use of data (AI, Data and Robotics partnership)	3	10-25	50
<b>Achieving the end-to-end AI compute continuum</b>					
HORIZON-CL4-2026-04-DATA-XX					
05	IA	Energy efficiency and sustainability of AI data processing in Data Centres	3	around 13	39
HORIZON-CL4-2027-04-DATA-XX					
03	RIA	New approaches for decentralized, federated and sustainable AI data processing	2	around 17.5	35
<b>Destination DIGITAL-EMERGING (신흥기술)</b>					
<b>AI Continent</b>					
HORIZON-CL4-2026-04-DIGITAL-EMERGING-XX					
01	RIA	Pilot of the "Science for AI" Pillar of RAISE ("Resource in AI science in Europe")	1	around 17	17

공고 번호	유형	클러스터 4 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
08	RIA	Robotics for Manufacturing: Advancing Core Skills through Technical Challenges (Partnership in AI, Data and Robotics)	1	around 18	18
09	IA	Early warning and preparedness	1	around 6	6
10	IA	Emergency response and resources allocation	1	around 5	5
HORIZON-CL4-2027-04-DIGITAL-EMERGING-XX					
04	RIA	Challenge-Driven AI Innovation Booster in Apply AI prioritised sectors	4	around 14	56
05	IA	AI-Driven Robotics for Industry: Enabling System Integration and Adoption (Partnership in AI, Data and Robotics)	2	around 9	18
06	RIA	International cooperation in AI	1	around 3	3
HORIZON-CL4-2026-01-DIGITAL-EMERGING-XX					
61	COF UND	Co-funded AI in Science Fellowships (RAISE pilot) (CO-FUND)	3	around 10	30
HORIZON-CL4-2027-01-DIGITAL-EMERGING-XX					
62	RIA	Scientific Laboratory Automation (RAISE pilot) (RIA)	3	around 10	30
HORIZON-CL4-2026-05-DIGITAL-EMERGING-XX					
02	RIA	Next-Generation AI Agents for Real-World Applications in the ApplyAI sectors	2	around 19	38
03	RIA	Next-Generation Agile and Intelligent Robotics Platforms for Industrial and Service Applications	Not relevant	12-13	25
HORIZON-CL4-2027-05-DIGITAL-EMERGING-XX					
01	RIA	Fostering AI Adoption: Powerful AI solutions that are safe and computationally efficient	1	around 30	30
02	RIA	AI-Driven Manufacturing Line Design and Optimization	2	around 7.5	15
<b>Quantum</b>					
HORIZON-CL4-2026-04-DIGITAL-EMERGING-XX					
11	CSA	Quantum Sensors for Inertial Navigation	6	0.5-5	30
12	CSA	Standards for Quantum Technologies - Coordination and Support Action (CSA)	1	around 1	1
18	RIA	Large-Scale Photonic Quantum Computing Platform Technologies	1	around 10	10
<b>Photonics</b>					
HORIZON-CL4-2026-04-DIGITAL-EMERGING-XX					
14	CSA	Networking and Future Photonics Strategy	1	around 3	3

공고 번호	유형	클러스터 4 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
HORIZON-CL4-2026-05-DIGITAL-EMERGING-XX					
04	RIA	Advanced integrated photonic devices for extended features and ultra-low power consumption	6	3-5	25
<b>Semiconductors</b>					
HORIZON-CL4-2026-04-DIGITAL-EMERGING-XX					
15	CSA	Strengthening the cooperation of semiconductor-intensive EU regions	1	around 1	1
<b>Other emerging technologies</b>					
HORIZON-CL4-2026-04-DIGITAL-EMERGING-XX					
16	CSA	Horizon scanning and foresight in future enabling digital technologies	1	around 4	4
17	CSA	Fostering 2-Dimensional Materials (2DM) based emerging and enabling technologies (CSA)	1	around 1	1
<b>AI for manufacturing</b>					
HORIZON-CL4-2026-01-DIGITAL-EMERGING-XX					
51	RIA	AI improved advanced manufacturing and production processes in factories (RIA) (Made in Europe and ADRA partnerships)	5	4-6	30
53	RIA	Innovative AI methods and technologies for the process industries (RIA) (Processes4Planet and ADRA partnerships)	5	4-6	15
HORIZON-CL4-2027-01-DIGITAL-EMERGING-XX					
52	RIA	New approaches for Human/AI collaboration for the workforce of the future (RIA) (Made in Europe and ADRA partnerships)	5	4-6	30
<b>Destination SPACE (우주)</b>					
HORIZON-CL4-2026-SPACE-03-XX					
11	IA	Reinforcing EU autonomous access to space through EU-based spaceports	2	10-25	38
31	RIA	Digital enablers and building-blocks for Earth Observation and Satellite telecommunication for Space solutions	3	3-6	12
32	IA	Preparing demonstration missions for Earth Observation and Satellite telecommunication for Space solutions	4	5-10	26
61	RIA	Scientific analysis and exploitation of space data	3	1-2	4

공고 번호	유형	클러스터 4 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
81	RIA	Space critical EEE components for EU non-dependence	6	1-2	10
82	RIA	Space critical equipment for EU non-dependence	6	1-2	10
HORIZON-CL4-2027-SPACE-03-XX					
12	IA	Digital solutions for autonomy for space transportation systems, design and simulation tools - Digital enablers and building blocks	2	2-3	5
33	RIA	Digital enablers and building blocks for collaborative Earth Observation and Satellite telecommunications for Space solutions	2	1.5-3	4
34	IA	Preparing demonstration missions for collaborative Earth Observation and Satellite telecommunication for Space solutions	4	5-10	26
83	RIA	Space critical EEE components for EU non-dependence	6	1-2	10
84	RIA	Space critical equipment for EU non-dependence	6	1-2	10
<b>Destination HUMAN (인간중심 혁신 기술)</b>					
<b>Virtual Worlds – WEB 4.0 (Partnership)</b>					
HORIZON-CL4-2026-04-HUMAN-XX					
01	IA	Developing and demonstrating core technologies for Virtual Worlds and Web4.0 (Virtual worlds Partnership)	7	4-5	30
02	RIA	Web4.0 architectural framework and Open Internet Stack applications for virtual worlds	3	3-9	18
<b>Internet Stack applications for virtual worlds</b>					
HORIZON-CL4-2027-04-HUMAN-XX					
01	RIA	Advanced and Innovative hardware components for Virtual Worlds (Virtual Worlds Partnership)	8	5-6	42
02	CSA	Create A thriving and competitive Virtual Worlds and Web4.0 ecosystem (Virtual Worlds Partnership)	1	around 3	3
<b>Standardisation - International</b>					
HORIZON-CL4-2027-04-HUMAN-XX					
07	CSA	Facilitate the engagement of European stakeholders in international digital standardisation (CSA)	1	around 7	7

□ 클러스터 6에 공개된 2026~2027 연구 주제 수

구분	클러스터 명	연구주제 수 (개)	지원과제 수 (건)	총 예산 (백만€)
클러스터6	식량, 바이오경제, 천연자원, 농업 및 환경 (Food, Bioeconomy, Natural Resources, Agriculture and Environment)	109	211	1,322.00

※ 해당 표에 포함된 '총 예산'은 클러스터별 워크프로그램 총 예산이 아니며, 일반적인 공고(Call)의 '총 예산'만을 포함

※ 상기 내용은 '초안'이므로 연구 주제 수, 지원 과제 수, 총 예산 등이 향후 변경될 수 있음

□ 클러스터 6 Food, Bioeconomy, Natural Resources, Agriculture and Environment 도달목표(Destination)별 연구 주제 수

구분	도달목표(Destination)	연구주제 수 (개)	지원과제 수 (건)	총 예산 (백만€)
1	Biodiversity and ecosystem services (BIODIV) 생물다양성	19	41	260.50
2	Fair, healthy and environment-friendly food systems from primary production to consumption (FARM2FORK) 식품 시스템	27	49	298.00
3	Circular economy and bioeconomy sectors (CIRC BIO) 순환경제 및 바이오경제	25	52	274.00
4	Clean environment and zero pollution (ZERO POLLUTION) 청정 환경 및 무공해	8	16	94.00
5	Land, ocean and water for climate action (CLIMATE) 기후 - 육지, 해양, 수질	7	13	92.00
6	Resilient, inclusive, healthy and green rural, coastal and urban communities (COMMUNITIES) 지역 커뮤니티	3	7	42.00
7	Innovative governance, environmental observations and digital solutions in support of the Green Deal (GOVERNANCE) 거버넌스, 환경 관측 및 디지털 솔루션	20	33	261.50
총 계		109	211	1,322.00

□ 2026~2027년도 공고(Call) 예산 및 예정일

공고번호	도달목표	신청 기간	예산 (백만€)
HORIZON-CL6-2026-01	BIODIV CIRC BIO ZERO POLLUTION	2026.1.8~2026.3.10	226.50
HORIZON-CL6-2026-02	FARM2FORK CLIMATE COMMUNITIES	2026.1.8~2026.4.14	165.50
HORIZON-CL6-2026-03	GOVERNANCE	2026.1.8~2026.3.12	118.50
HORIZON-CL6-2026-04	GOVERNANCE	2026.8.25~2026.11.26	60.00

HORIZON-CL6-2026-01-two-stage	BIODIV CIRC BIO ZEROPOLLUTION	2026.1.8~2026.3.10, 2026.9.15	100.00
HORIZON-CL6-2026-02-two-stage	FARM2FORK	2026.1.8~2026.3.12, 2026.9.15	27.00
HORIZON-CL6-2026-03-two-stage	GOVERNANCE	2026.1.8~2026.3.12, 2026.9.15	12.00
HORIZON-CL6-2027-01	BIODIV CIRC BIO ZEROPOLLUTION	2026.11.26~2027.3.9	261.00
HORIZON-CL6-2027-02	FARM2FORK CLIMATE COMMUNITIES	2026.11.26~2027.3.9	205.50
HORIZON-CL6-2027-03	GOVERNANCE	2026.11.26~2027.3.9	71.00
HORIZON-CL6-2027-01-two-stage	BIODIV CIRC BIO	2026.11.26.~2027.3.9, 2027.9.14	41.00
HORIZON-CL6-2027-02-two-stage	FARM2FORK CLIMATE	2026.11.26.~2027.3.9, 2027.9.14	34.00
총 계			1,32200

※ 대상 공고(Call) 체크 必, 제안서 제출 일자가 '26. 3 ~ '27. 2. 이내인 과제에 한함.

## □ 클러스터 6 연구 주제(Topics)별 선정 과제 수 및 예산

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Destination BIODIV (생물다양성)</b>					
<b>Consolidating biodiversity knowledge for nature and society</b>					
HORIZON-CL6-2026-01-BIODIV-XX					
01	CSA	Science-policy support to the implementation of EU and global biodiversity policies and strategies	1	around 7.5	7.5
02	RIA	Understanding and tackling the decline of insects	2	around 6.5	13
03	RIA	Developing methods to assess the presence, functions and sensitivity of groundwater ecosystems	2	around 5	10
04	RIA	Pushing the frontier of knowledge and conservation action for deep sea ecosystems	2	around 10	20
HORIZON-CL6-2027-01-BIODIV-XX					
01	RIA	Integrating Remote Sensing and in-situ observations of Biodiversity, towards a fully interoperable observation and data framework	2	around 5	10
<b>Restoring ecosystems for resilient society and economy</b>					
HORIZON-CL6-2026-01-BIODIV-XX					
05	RIA	Ensuring continuous effectiveness of protected areas in conserving habitats and species while facing intensifying drivers of biodiversity loss	2	around 6.5	13

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
HORIZON-CL6-2026-01-BIODIV-XX-two-stage					
01	RIA	Living labs for co-creating solutions for the restoration of ecosystems	2	around 7	14
02	RIA	Open topic: Uncovering the causes of specific species' rapid decline and exploring actionable solutions	4	around 3	12
HORIZON-CL6-2027-01-BIODIV-XX					
02	IA	Technical innovation to protect ecosystems and to scale up their restoration	2	around 7	14
03	RIA	Living Labs for the eradication and/or management of invasive alien species	3	around 9	27
HORIZON-CL6-2027-01-BIODIV-XX-two-stage					
01	IA	Unlocking the potential of citizen action for nature protection and restoration	2	around 5.5	11
<b>Transformative change towards a nature positive economy</b>					
HORIZON-CL6-2026-01-BIODIV-XX					
06	RIA	Advancing integrated scenarios and prediction models for informing transition to a nature positive society	2	around 5	10
07	RIA	Boosting agrobiodiversity for food security and sustainable competitiveness	2	around 6	12
HORIZON-CL6-2026-01-BIODIV-XX-two-stage					
03	RIA	Mainstreaming and scaling-up evidence-based Nature-Based Solutions towards a nature positive and climate-resilient economy	3	around 7	21
HORIZON-CL6-2027-01-BIODIV-XX					
04	RIA	Accelerating the transition to a nature positive economy: Integrating biodiversity into the private sector	2	around 7	14
05	RIA	Living labs driving transformative change via knowledge integration and inclusive governance	2	around 7	14
06	RIA	Health of ecosystems and wild species, predictions and impacts on human health, in the face of existing and emerging stressors, from a One Health approach	2	around 7	14
<b>Biodiversity friendly practices in agriculture</b>					
HORIZON-CL6-2027-01-BIODIV-XX					
07	RIA	Fostering common farmland birds and mammals for resilient food production systems	2	around 6	12
08	RIA	Enhancing the competitiveness of organic crop breeding: focus on intercropping adapted varieties	2	around 6	12

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Destination FARM2FORK (식품시스템)</b>					
<b>Enabling sustainable farming systems</b>					
HORIZON-CL6-2026-02-FARM2FORK-XX					
01	IA	Developing innovative phytosanitary treatments for regulated plant pests	2	around 6	12
02	RIA	Tackling pesticide resistance: early detection, management strategies, and foresight	2	around 6	12
03	IA	Boosting the competitiveness of protein crops in Europe	2	around 6	12
04	RIA	Accelerating the development of breeding tools for perennial crops, specifically fruit and nut trees	2	around 6	12
05	RIA	Boosting circularity and diversification strategies of terrestrial livestock production systems	2	around 6.5	13
06	IA	Advanced innovative solutions for improved competitiveness and sustainability in controlled environment agriculture (CEA)	2	around 6	12
07	CSA	Strengthening the EU plant protection ecosystem for a future-proof agriculture	1	around 3	3
HORIZON-CL6-2026-02-FARM2FORK-XX-two-stage					
01	IA	Open topic: Improving the competitiveness of the agricultural sector by enhancing the efficient and sustainable use of inputs	3	around 5	15
02	IA	Open topic: Boosting organic farming for a competitive, sustainable and resilient farming sector	2	around 6	12
HORIZON-CL6-2027-02-FARM2FORK-XX					
01	RIA	Increasing the resilience of agriculture in water and nutrient-scarce environments through digital innovations	2	around 6	12
02	IA	Enhancing knowledge on feed additives with effects on mitigation of GHG emissions and feed efficiency	2	around 7	14
03	RIA	Microbiome for livestock sustainability and health within a One Health approach	2	around 6.5	13
04	CSA	Improving understanding of the contribution of organic farming to sustainability	1	around 6	6
05	IA	Enhancing farmers profitability and resilience through innovations for diversified crops and value chains	2	around 6	12
HORIZON-CL6-2027-02-FARM2FORK-XX-two-stage					
01	RIA	Strengthening plant health: addressing emerging plant pest risks	2	around 6	12

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Enabling sustainable fisheries and aquaculture</b>					
HORIZON-CL6-2026-02-FARM2FORK-XX					
08	RIA	Advancing basic knowledge and developing tools for sustainable management of key migratory fish species	2	around 8	16
09	IA	Sustainable and healthy diets for cardiovascular diseases prevention with the support of digital applications	2	around 6	12
10	CSA	Sustainable and healthy diets based on health status and socio-economic risk factors of ageing population	1	around 2	2
11	RIA	Integrating a holistic perspective in microbiome research for resilient, competitive and sustainable food systems	2	6-7	13.5
12	CSA	Leveraging R&I knowledge on microbiome	1	around 2	2
13	RIA	Boosting plant health and reducing losses on farm and during storage for sustainable growth in Africa (FNSSA)	2	around 6	12
14	RIA	Green Transition Food Processing Africa	2	around 6	12
HORIZON-CL6-2027-02-FARM2FORK-XX					
06	IA	Unleashing the potential of sustainable small-scale aquatic food production and recreational fisheries for prosperous local communities	2	around 6	12
07	IA	Towards commercialization of food systems microbiome solutions	2	around 8.75	17.5
08	IA	AI-powered foodome characterization	1	around 8	8
09	CSA	African Union - European Union Partnership on Food and Nutrition Security and Sustainable Agriculture (FNSSA)	1	around 7	7
HORIZON-CL6-2027-02-FARM2FORK-XX-two-stage					
02	RIA	Optimising the water-nutrient-energy nexus for sustainable and climate smart agriculture in Africa (FNSSA)	2	around 6	12
<b>Destination CIRC BIO (순환경제 및 바이오경제)</b>					
<b>Enabling a circular economy transition</b>					
HORIZON-CL6-2026-01-CIRC BIO-XX					
01	IA	Improving circularity of multilayer flexible plastic food contact packaging	2	around 6	12
02	IA	Advancing recycling technologies for mixed post-consumer textiles waste from blended products	2	around 6	12
03	RIA	Advanced recovery of critical raw materials from Waste from Electrical and Electronic Equipment (WEEE)	2	around 5	10
04	IA	Demonstrating and deploying innovative collection, sorting-for-reuse and repair systems for textiles at city/region level (Circular Cities and Regions Initiative topic)	2	around 5	10

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
HORIZON-CL6-2026-01-CIRCBIO-XX-two-stage					
01	IA	Deploying circular systemic solutions through living labs in cities and regions (Circular Cities and Regions Initiative topic)	2	around 5	10
02	IA	Open topic: Using the Circular Cities and Regions Initiative to strengthen urban manufacturing in support of the Clean Industrial Deal	3	6-8	20
HORIZON-CL6-2027-01-CIRCBIO-XX					
01	IA	Enhancing ecodesign and circularity of consumer electronics	2	around 5	10
02	IA	Enhancing ecodesign and circularity of construction products	2	around 5	10
03	RIA	Developing novel recycling technologies for complex plastic materials applying biotech solutions	2	around 5	10
04	RIA	Capacity building for extending product lifecycles through repair and refurbishment	2	around 5	10
05	RIA	Innovative circular solutions for end-of-life footwear through collection, sorting and recycling	2	around 5	10
HORIZON-CL6-2027-01-CIRCBIO-XX-two-stage					
01	IA	Deploying circular systemic solutions through living labs in cities and regions (Circular Cities and Regions Initiative topic)	2	around 5	10
02	IA	Open topic: Using the Circular Cities and Regions Initiative to strengthen urban manufacturing in support of the Clean Industrial Deal	3	6-8	20
<b>Innovating for sustainable bio-based systems, biotechnology and the bioeconomy</b>					
HORIZON-CL6-2026-01-CIRCBIO-XX					
05	RIA	Understanding biomass flows in Europe	2	around 3	6
06	CSA	Bioeconomy policy support hub for Member States, regions and sectors	1	around 3	3
07	RIA	Advancing the European bio-based innovation enabled by biotechnology and biomanufacturing concepts	3	around 4	12
08	RIA	Supporting pre-normative research for standardization of the bio-based products	2	around 4	8
09	RIA	Balancing food security, bioeconomy, climate and biodiversity objectives while unlocking sustainable value chains	2	around 6	12
10	RIA	Bio-based innovation in society: supporting the sustainable way of living	3	around 4	12
HORIZON-CL6-2027-01-CIRCBIO-XX					
06	RIA	Towards a Europe of Bioeconomy Places	2	around 6	12
07	IA	Improving biomass flows for a sustainable and circular bioeconomy	2	around 7.5	15
08	RIA	Biotechnology application for CCU	2	around 6	12
09	IA	Increasing the circularity of bio-based sector: upcycling and recycling for higher value and environmental benefits	2	around 6	12

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
<b>Innovating for blue bioeconomy and biotechnology value chains</b>					
HORIZON-CL6-2026-01-CIRCBIO-XX					
11	RIA	Harnessing the unique properties of marine organisms to deliver sustainable blue bio-based products	2	around 5	10
<b>Safeguarding and sustainably innovating the multiple functions of EU forests</b>					
HORIZON-CL6-2027-01-CIRCBIO-XX					
10	RIA	Strengthening forest research for the support of Ukraine	1	around 6	6
<b>Destination ZEROPOLLUTION (무공해 청정환경)</b>					
HORIZON-CL6-2026-01-ZEROPOLLUTION-XX					
01	RIA	Toward a comprehensive assessment of the disturbance of marine ecosystems by anthropogenic underwater noise	1	around 10	10
02	IA	Bioremediation of Ukraine's ecosystems contaminated by conflicts	2	around 6	12
03	RIA	Developing managed aquifer recharge techniques (MAR) in a rural context	2	around 6	12
HORIZON-CL6-2026-01-ZEROPOLLUTION-XX-two-stage					
01	RIA	Decontaminate and bioremediate aquatic pollution	3	7-8	23
HORIZON-CL6-2027-01-ZEROPOLLUTION-XX					
01	RIA	Replacing hazardous substances in biocidal products	3	around 4	12
02	RIA	Developing effective air quality planning strategies through innovative multi-scale modelling	2	around 5	10
HORIZON-CL6-2026-01-ZEROPOLLUTION-XX-two-stage					
01	RIA	Decontaminate and bioremediate aquatic pollution	3	7-8	23
HORIZON-CL6-2027-01-ZEROPOLLUTION-XX					
01	RIA	Replacing hazardous substances in biocidal products	3	around 4	12
02	RIA	Developing effective air quality planning strategies through innovative multi-scale modelling	2	around 5	10
03	RIA	Improve the capacity to monitor and reduce air pollution from agriculture	2	around 6	12
04	CSA	Europe-wide environmental benchmarking system of the industrial bioeconomy sectors	1	around 3	3
<b>Destination CLIMATE (기후 - 육지, 해양, 물)</b>					
HORIZON-CL6-2026-02-CLIMATE-XX					

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
01	RIA	Towards more effective, fair and coherent policies for climate change mitigation and adaptation in agriculture and forestry	1	around 8	8
HORIZON-CL6-2027-02-CLIMATE-XX					
01	RIA	Governance, sustainable development and international politics of a future ice-free Arctic	2	around 8	16
02	RIA	Towards the water infrastructures of the future	2	around 5	10
03	RIA	Strengthening evidence based policies for the resilience of European agriculture and forestry and related supply chains against crises and systemic risks	2	around 6	12
04	IA	Carbon farming innovation and scale-up	2	around 6	12
05	RIA	Unlocking a safe operating space for Antarctica and the Southern Ocean	2	around 12	24
HORIZON-CL6-2027-02-CLIMATE-XX-two-stage					
01	IA	Open topic: Innovative solution for the Water Resilience Strategy	2	around 5	10
<b>Destination COMMUNITIES (지역 커뮤니티)</b>					
HORIZON-CL6-2026-02-COMMUNITIES-XX					
01	RIA	Boosting sustainable competitiveness in rural areas through innovation	2	around 6	12
HORIZON-CL6-2027-02-COMMUNITIES-XX					
01	RIA	Strengthening rural communities' resilience to shocks	3	around 6	18
02	IA	Empowering local urban food systems entrepreneurship and innovation	2	around 6	12
<b>Destination GOVERNANCE (거버넌스, 환경 관측, 디지털 솔루션)</b>					
<b>Innovating with governance models and supporting policies</b>					
HORIZON-CL6-2026-03-GOVERNANCE-XX					
01	COF UND	Additional activities for the Sustainable Blue Economy Partnership (SBEP)	1	around 38	38
02	RIA	Improving analytical capacity and understanding of social drivers in agriculture to better assess social sustainability in the sector	2	around 6	12
03	CSA	Empowering the UN Decade of Ocean Science for Sustainable Development	3	around 3	9
04	CSA	Supporting All-Atlantic Ocean Research and Innovation Alliance	1	around 5	5
HORIZON-CL6-2026-04-GOVERNANCE-XX					
01	COF UND	Additional activities for the European Partnership of Agriculture of Data	1	around 60	60
HORIZON-CL6-2027-03-GOVERNANCE-XX					
01	RIA	Strengthening the resilience of European farmers through improved capacity in coping with risks and crises	2	around 6	12

공고 번호	유형	클러스터 6 주제(topic)	과제 수 (건)	과제당 예산 (백만€)	총 예산 (백만€)
02	RIA	Improving analytical capacity for sustainable competitiveness of the agricultural sector	1	around 6	6
03	CSA	International dimension of the circular bio-based economy: seeking win-win opportunities	1	around 3	3
<b>Deploying and adding value to environmental observations</b>					
HORIZON-CL6-2026-03-GOVERNANCE-XX					
05	RIA	Coordinated European contribution to the WMO Global Greenhouse Gas Watch and its international governance	1	around 7	7
06	CSA	A services and business incubator for geospatial open-source developments	1	around 6.5	6.5
07	CSA	Interconnect Earth Observation research for addressing environmental policies	1	around 6	6
HORIZON-CL6-2026-03-GOVERNANCE-XX-two-stage					
01	RIA	Open topic: Develop Earth Intelligence solutions with observations and state-of-the-art AI for sustainable competitiveness and policy making	2	around 6	12
HORIZON-CL6-2027-03-GOVERNANCE-XX					
04	RIA	Advancing Ocean observation: enhancing technologies and observing systems design for a sustainable future	3	around 5	15
<b>Digital and data technologies as key enablers</b>					
HORIZON-CL6-2026-03-GOVERNANCE-XX					
08	IA	Boosting data availability and AI solutions in food for consumers and food service professionals	2	around 7.5	15
HORIZON-CL6-2027-03-GOVERNANCE-XX					
05	IA	AI supporting informed advice for farmers and foresters to improve competitiveness and sustainability	2	around 6	12
<b>Strengthening agricultural knowledge and innovation systems (AKIS)</b>					
HORIZON-CL6-2026-03-GOVERNANCE-XX					
09	CSA	Increasing knowledge flows to practice within AKIS via EU thematic knowledge hubs	2	around 4	8
10	RIA	Embracing innovation in agriculture by peer-to-peer learning via on farm-demonstrations and cost-benefit analysis	2	around 6	12
HORIZON-CL6-2027-03-GOVERNANCE-XX					
06	CSA	Increasing knowledge flows to practice within AKIS via EU thematic knowledge hubs	3	around 4	12
07	CSA	Fostering generational renewal in agriculture via EU advisory network	1	around 6	6
08	CSA	Strengthening strategic advice and synergies between EU and national Research and Innovation agendas and investments	1	around 5	5

□ 호라이즌 유럽 관련 유용한 링크 모음

- (Horizon Europe 공식 홈페이지)
  - <http://ec.europa.eu/horizon-europe>
- (EU Funding and Tender Opportunities)
  - <http://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>
- (국가조정관, National Contract Points; NCPs)
  - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/ncp>
- (유락세스, EURAXESS)
  - (유럽) [euraxess.ec.europa.eu](http://euraxess.ec.europa.eu)
  - (한국) [euraxess.ec.europa.eu/worldwide/south-korea](http://euraxess.ec.europa.eu/worldwide/south-korea)
- (유럽연구이사회, European Research Council)
  - <http://erc.europa.eu>
- (유럽혁신위원회, European Innovation Council)
  - <http://ec.europa.eu/research/eic>
- (한국연구재단, National Research Foundation of Korea)
  - <https://www.nrf.re.kr>