

NOW is the time

Innovation in municipal solid waste treatment

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Innovation: FCC Waste Treatment Department Strategic Positioning



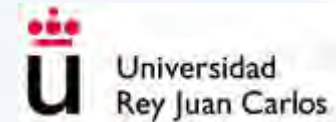
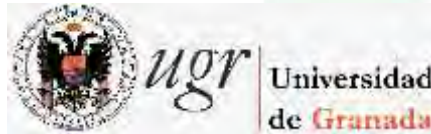
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Innovation: FCC Waste Treatment Department Strategic Positioning



Get in contact with the actors involved:

Universities



Companies



Consultants



Synergies FCC



Others



Innovation: FCC Waste Treatment Department Strategic Positioning



Get in contact with the actors involved:

*Spanish Representatives in
Work Programs*



National Contact Points



*Techs Centers/Research and
Technology Organizations:*



FCC's R&I financed projects

Title	Start/Finish	Total Budget (m€)	Grant Project (m€)	FCC Budget (m€)	Grant FCC (m€)
LIFE METHAmorphosis	2015/ 2020	3,48	2,08	0,51	0,3
LIFE 4FILM	2018/2021	4,54	1,98	0,57	0,34
H2020 SCALIBUR	2018-2023	12	10,09	1,12	0,78
INSECTUM	2019-2022	7,21	2,01	1,54	0,43
BBI DEEP PURPLE	2019-2022	9,52	6,98	0,81	0,53
BBI B-FERST	2019-2023	10,01	6,78	0,27	0,16
LIFE PLASMIX	2019-2022	5,33	1,88	1,29	0,6
LIFE LANDFILL BIOFUEL	2019-2022	4,67	2,44	2,24	1,11
TOTAL		56,76	34,24	8,35	4,25

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Plastic Life Projects: Life4film and Plasmix

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Plastic Life Projects: Life4film and Plasmix

2.1 Life4film

***Project LIFE 4FILM-POST-CONSUMPTION FILM PLASTIC RECYCLING
FROM MUNICIPAL SOLID WASTE***

Program: LIFE

Call: LIFE Environment and Resource Efficiency

Project code: LIFE17 ENV/ES/000229

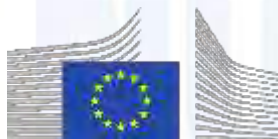
4FILM Budget: 4,5m€ (FCC 0,5m€)

EU contribution: 1,9m€ (FCC 0,35m€)

Start-Final date: 2018-2021



Life⁴
film



This project has received funding from the European Union's
LIFE programme under grant agreement LIFE17
ENV/ES/000229



Plastic Life Projects: Life4film and Plasmix

2.2 Life Plasmix

Project LIFE PLASMIX – Plastic mix recovery and pp & ps recycling from municipal solid waste

Program: LIFE

Call: LIFE Environment and Resource Efficiency

Project code: LIFE18 ENV/ES/000045

PLASMIX Budget: 5,33m€ (FCC 1,29m€)

EU contribution: 1,88m€ (FCC 0,60m€)

Start-Final date: 2019-2023



This project has received funding from the European Union's LIFE programme under grant agreement LIFE18 ENV/ES/000045



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***Biogas Life Projects: Landfill
Biofuel and Methamorphosis***

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Biogas Life Projects: Landfill Biofuel and Methamorphosis

3.1 Landfill Biofuel

Project LIFE LANDFILL BIOFUEL – Integral management of the biogás from landfills for use as vehicle fuel

Program: LIFE

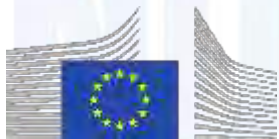
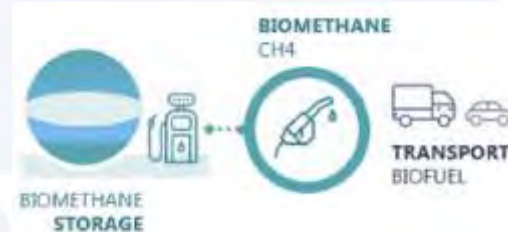
Call: LIFE Environment and Resource Efficiency

Project code: LIFE18 ENV/ES/000256

LANDFILL BIOFUEL Budget: 4,67m€ (FCC 2,24m€)

EU contribution: 2,44m€ (FCC 1,11m€)

Start-Final date: 2019-2023



This project has received funding from the European Union's LIFE programme under grant agreement LIFE18 ENV/ES/000256



Biogas Life Projects: Landfill Biofuel and Methamorphosis

3.2 METHAmorphosis

Project LIFE METHAmorphosis– Waste streams treatment for obtaining safe reclaimed water and biomethane for transport sector to mitigate GHG emissions

Program: LIFE

Call: LIFE Climate Change Mitigation

Project code: LIFE14 CCM/ES/000865

METHAmorphosis Budget: 3,6m€ (FCC 0,55m€)

EU contribution: 2m€ (FCC 0,3m€)

Start-Final date: 2015-2021



This project has received funding from the European Union's LIFE programme under grant agreement LIFE14 CCM/ES/000865



Biogas Life Projects: Landfill Biofuel and Methamorphosis

3.2 METHAmorphosis



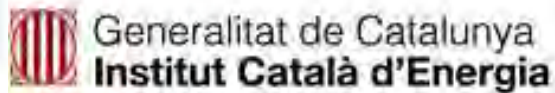
WHERE: Barcelona (Spain)



BUDGET: Total : 3.642.167 €

DATES: 2015 - 2021

THE CONSORTIUM:



Biogas Life Projects: Landfill Biofuel and Methamorphosis

3.2 METHAmorphosis

ECOPARQUE Montcada i Reixac (ECOPARQUE 2)



Biogas
%CH₄ ~55%

Anaerobic
Digestion

Leached

Upgrading
biogas

%CH₄: >90%

BIOMETHANE

AnMBR

ELAN

Treated water



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Biological Project: Insectum

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Biological Project: Insectum

Project INSECTUM– Valuation of urban and biorresiduoud subproducts by bioconversion with insects for the generation of innovative products in strategic sectors.

Program: CIEN-CDTI

Project type: Circular economy

Grant Project: 2,01m€ (FCC 0,43m€)

Budget: 7,21m€ (FCC 1,54m€)

Start-Final date: 2019-2022



Biological Project: Insectum

Partners:



Thank you for your attention

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