



Composting group

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GICOM

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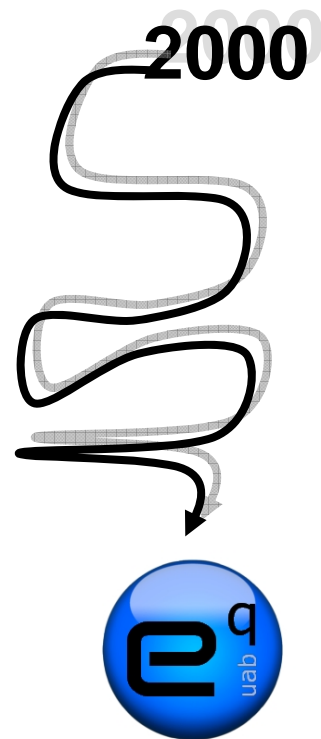




Who are we?



Group of Investigation on COMposting



Toni Sánchez, Adriana Artola, Xavi Font, Tere Gea, Raquel Barrena, Sergi Ponsá, etc.

Departament d'Enginyeria Química





What do we do?



A little bit of everything

- Related to organic waste composting process:

Applied Research:

- Process optimization
- Advanced control
- Respiration studies
- Environmental impact

Basic Research:

- Limiting step

Specifically

All the process scales

Lab scale



Pilot studies



Full-scale systems

All types of wastes:

OFMSW



Sludge



Municipal digested and non-digested

Industrial sludge

Slaughterhouse wastes



Hair wastes



Manures



Mushroom production wastes



Diapers



Fats



A lot of field studies – Contracts with waste sector companies



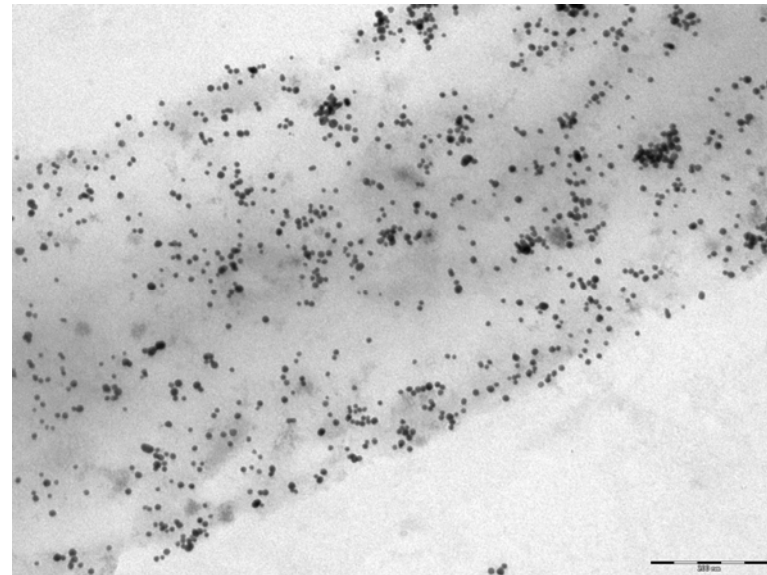
Other things

Related to composting:

- Compost use for soil bioremediation
- Solid-state fermentation for the production of high value products from wastes

Not related to composting:

- Use of nanoparticles for environmental remediation



Thank you for your attention

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U	I	F	O	R	M	T	R	F	U	L	T	R	A	B	N	A	G
C	M	A	X	I	O	C	A	R	B	O	N	I	V	U	T	E	S
I	B	P	A	E	A	D	R	I	A	N	A	A	R	T	O	L	A
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D	E	T	I	E	S	T	E	L	L	A	U	D	D	U	I	T	S
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L	R	T	R	A	Q	U	E	L	B	A	R	R	E	N	A	K	S
G	E	A	F	E	L	A	R	D	I	N	U	E	I	A	N	L	U
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U	O	U	R	E	Q	O	D	I	L	A	V	R	N	P	O	P	M
X	V	R	I	N	A	F	E	N	O	T	D	U	P	I	N	O	R
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C	O	V	I	A	N	L	D	E	Q	M	O	E	E	F	T	T	E
A	A	R	S	R	A	F	O	L	A	E	R	T	L	I	A	G	R
G	B	D	T	A	T	C	E	S	C	A	S	A	O	N	B	E	A
M	I	C	H	E	L	E	P	O	G	N	A	N	I	F	R	T	A
U	E	S	E	R	G	I	P	O	N	S	A	C	G	I	C	O	M

