

ECHO :

Involucrando a la ciudadanía
en la ciencia del suelo:
El camino hacia unos
suelos más saludables

Alba Peiro



ibercivis
gente haciendo ciencia



ECHO

ENGAGING CITIZENS IN SOIL SCIENCE:
THE ROAD TO HEALTHIER SOILS



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¿Qué es ECHO?

Es un proyecto europeo de
ciencia ciudadana
para involucrar a la ciudadanía en la
ciencia del suelo



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¿Por qué es importante ECHO?



EUROPEAN UNION



EU MISSIONS

SOIL DEAL FOR EUROPE

Concrete solutions for our greatest challenges

#EUmissions #HorizonEU #MissionSoil



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ENGAGING CITIZENS IN SOIL SCIENCE:
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Actividades

16 500 Muestras de suelo

28 Países de la UE



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Actividades

16 500 Muestras de suelo

28 Países de la UE

16 500 Kits de ECHO



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16 500 Muestras de suelo

28 Países de la UE

16 500 Kits de ECHO

16 Organizaciones socias

<200 Embajadores/as



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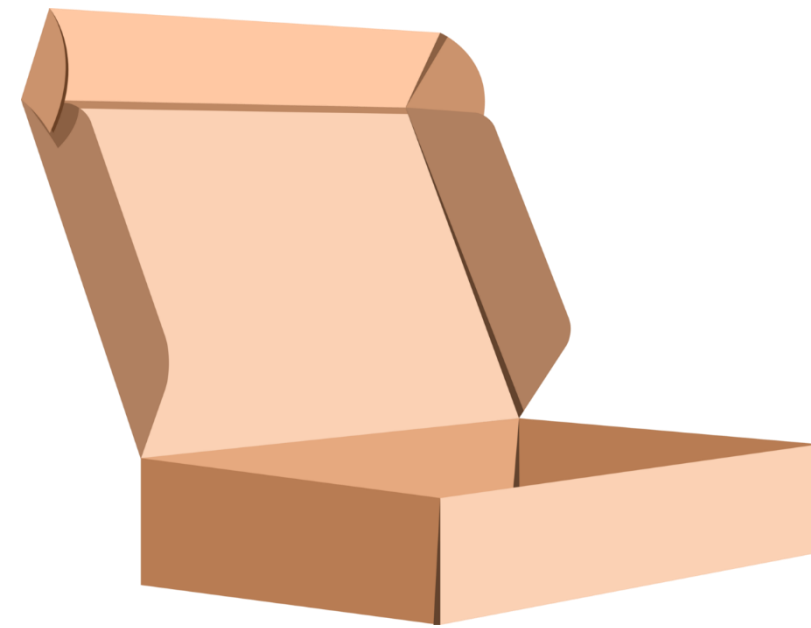


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Kit de ECHO



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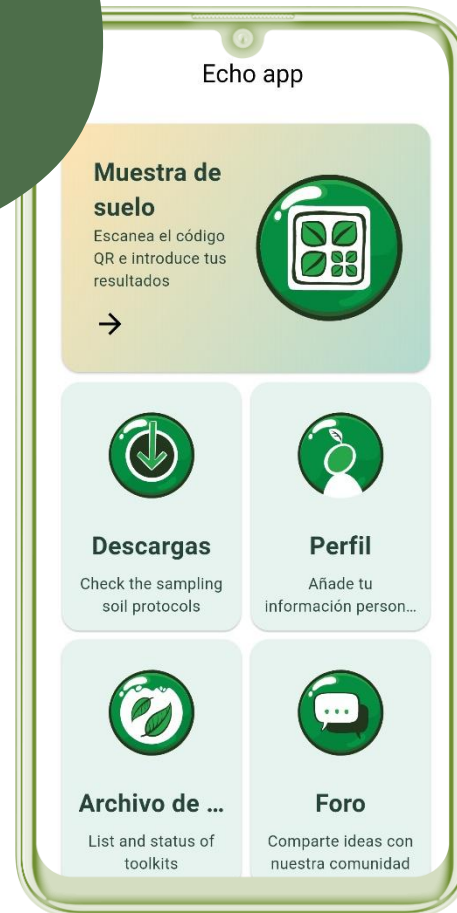
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Resultados

Y se integrarán con portales como el del Observatorio Europeo del Suelo, entre otros.



Subo los resultados a la App de ECHO



Formarán parte del repositorio ECHOREPO



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Indicadores de salud del suelo



ENGAGING CITIZENS IN SOIL SCIENCE:
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QR de la muestra



Cobertura vegetal y forestal
Heterogeneidad del paisaje



Estructura



Biodiversidad



Contaminación



Coordenadas GPS



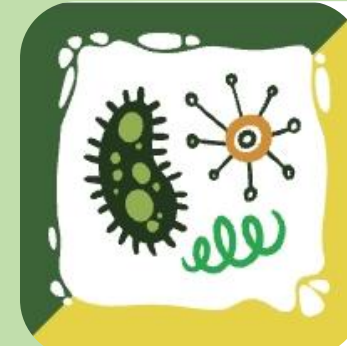
Materia orgánica



Textura



pH



Diversidad microbiana
Metales pesados

LAB.



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Indicadores de salud del suelo



QR de la muestra



Coordenadas GPS



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Cobertura vegetal y forestal
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Indicadores de salud del suelo



Estructura



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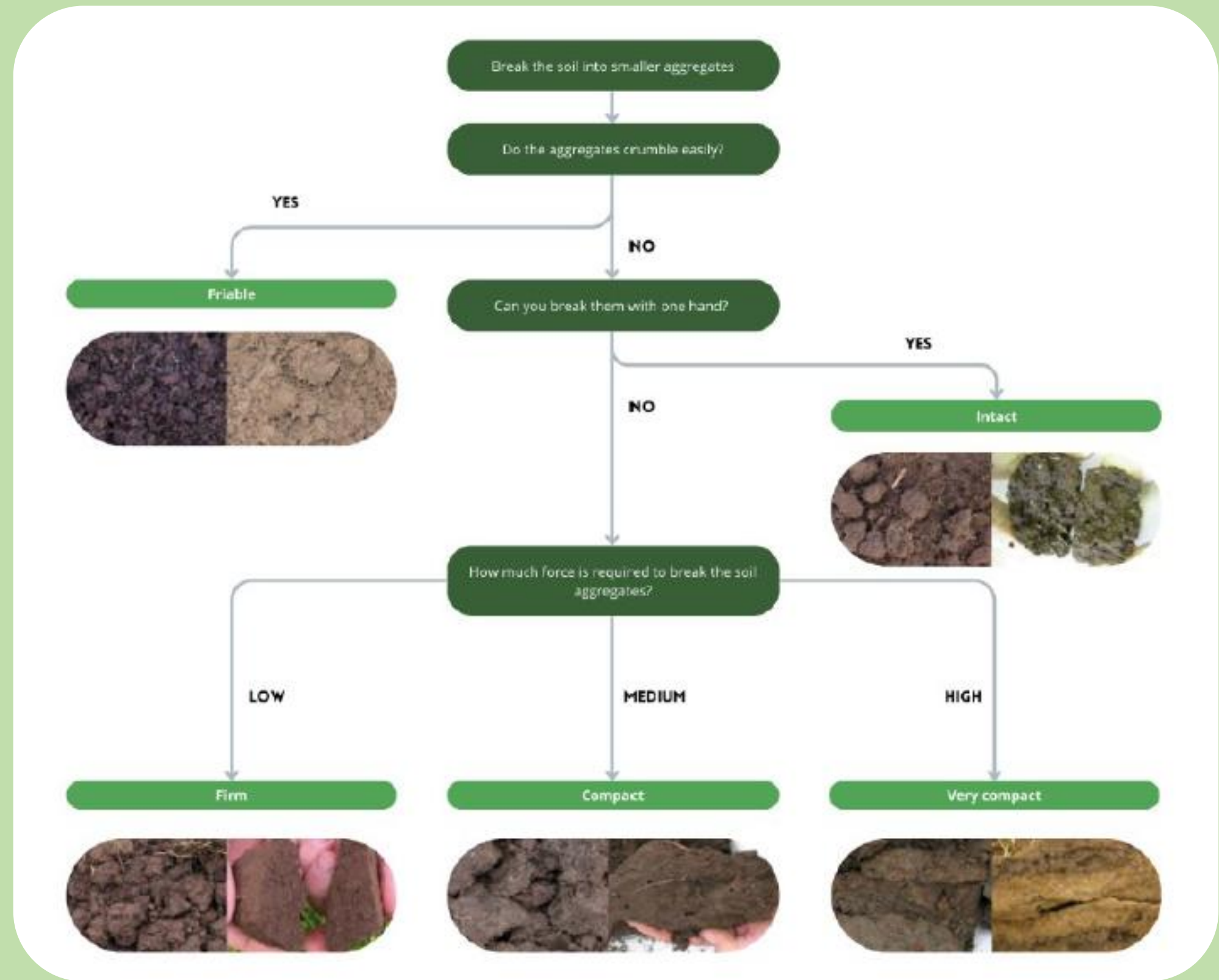


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Indicadores de salud del suelo



Estructura



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Indicadores de salud del suelo



Biodiversidad de lombrices



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Indicadores de salud del suelo



Contaminación por plásticos y metales



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Materia orgánica



COLOUR CHART

Average organic matter content



5%



3,5%



2,5%



2%



1,5%



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Textura



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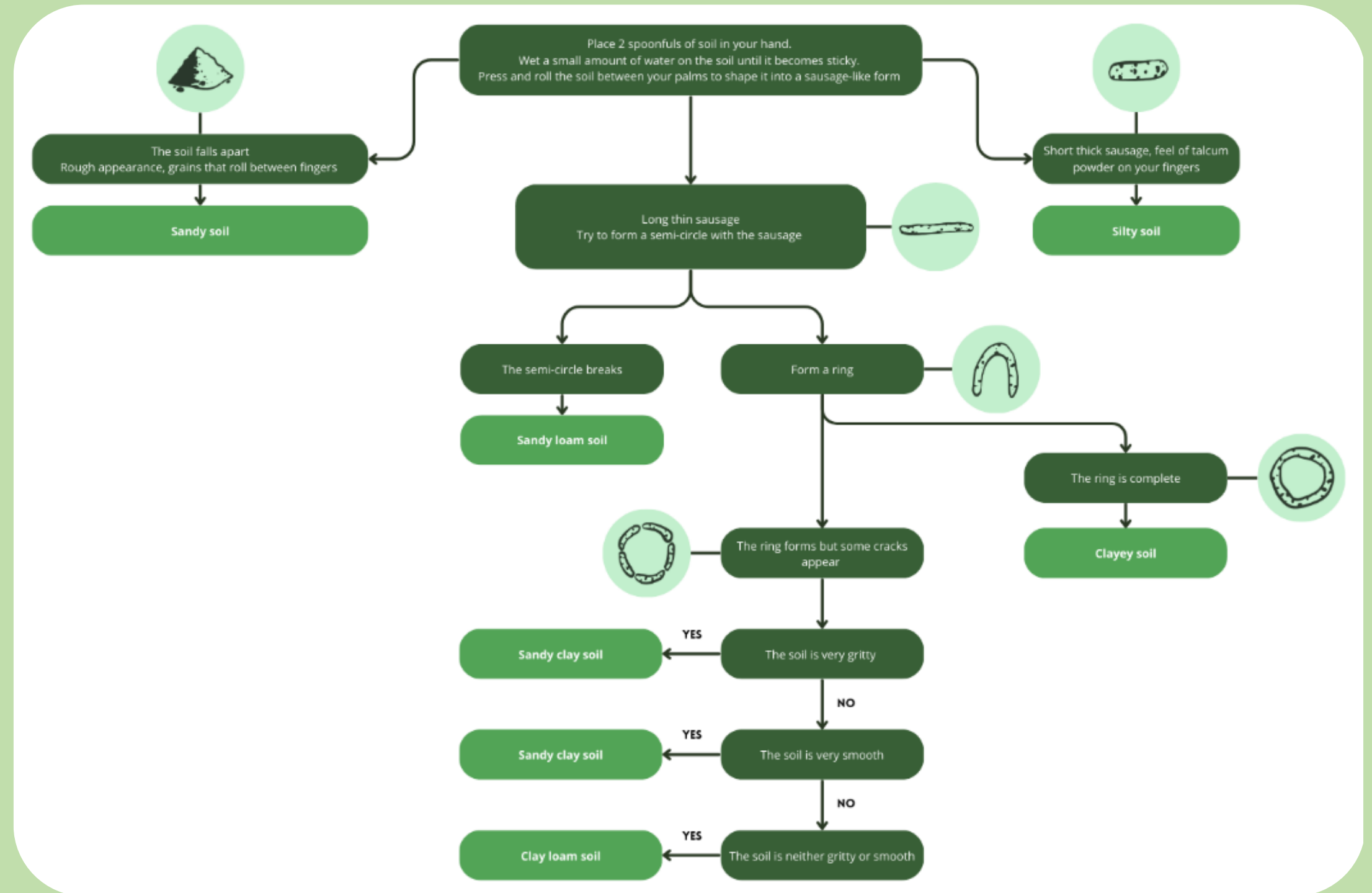


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Textura



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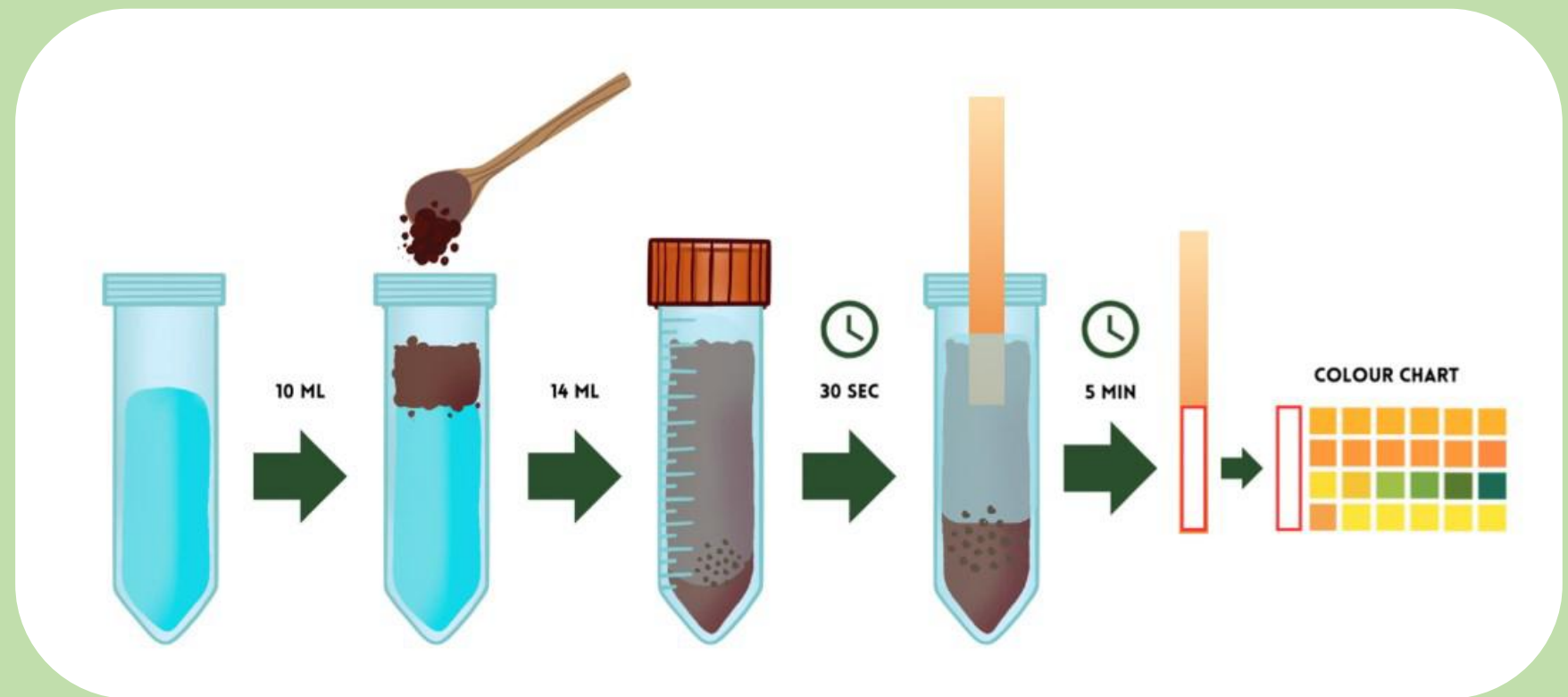


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pH



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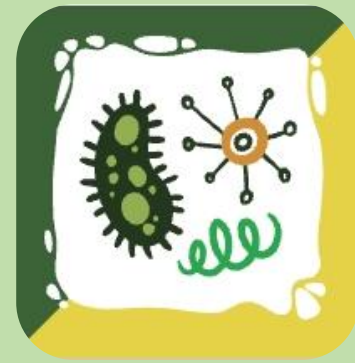


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Indicadores de salud del suelo



Biodiversidad microbiana y fúngica



Metales pesados y nutrientes



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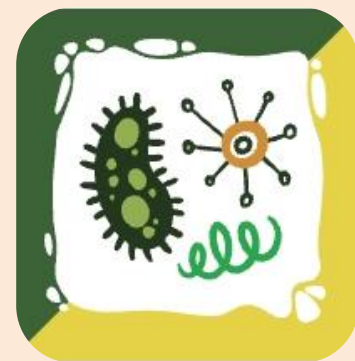


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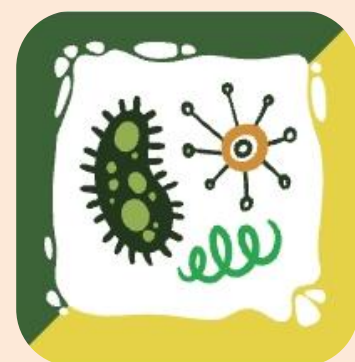
Indicadores de salud del suelo



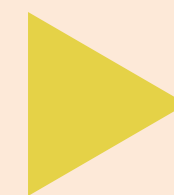
Biodiversidad microbiana y fúngica



Extraen el ADN:
Especies bacterianas y fúngicas



Metales pesados y nutrientes



Analizan con Rayos X:
Nutrientes:
P, K, Ca, Mg, Fe, Mn, Zn, Cu, Cl y Ni
Metales pesados:
As, Cd, Co, Cr, Cu, Pb, Ni y Zn



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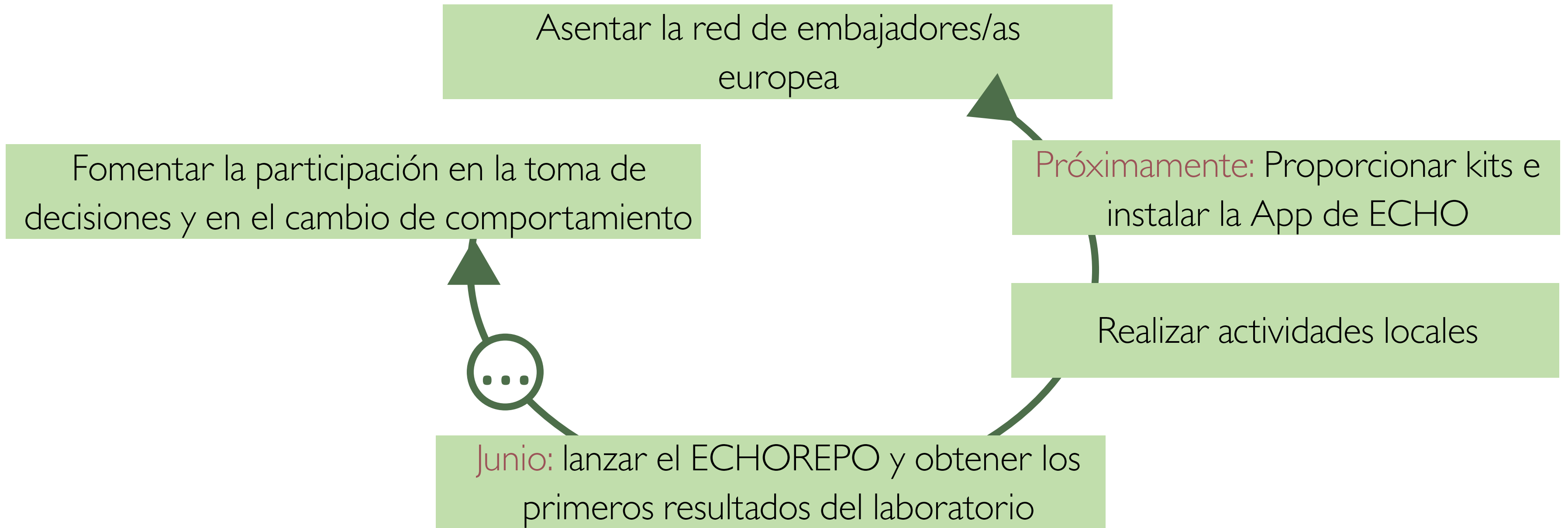


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Próximos pasos



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Impacto esperado



CONOCIMIENTO
Y
CONCIENCIA



ACCIÓN
ENTRE
SECTORES



PROGRAMAS
DE
MONITOREO



APOYO A LAS
MISIONES DE
LA UE



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¡Gracias!



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CONTÁCTANOS...

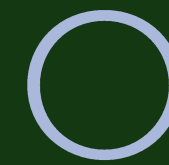
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ESCRÍBEME!

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people doing science



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