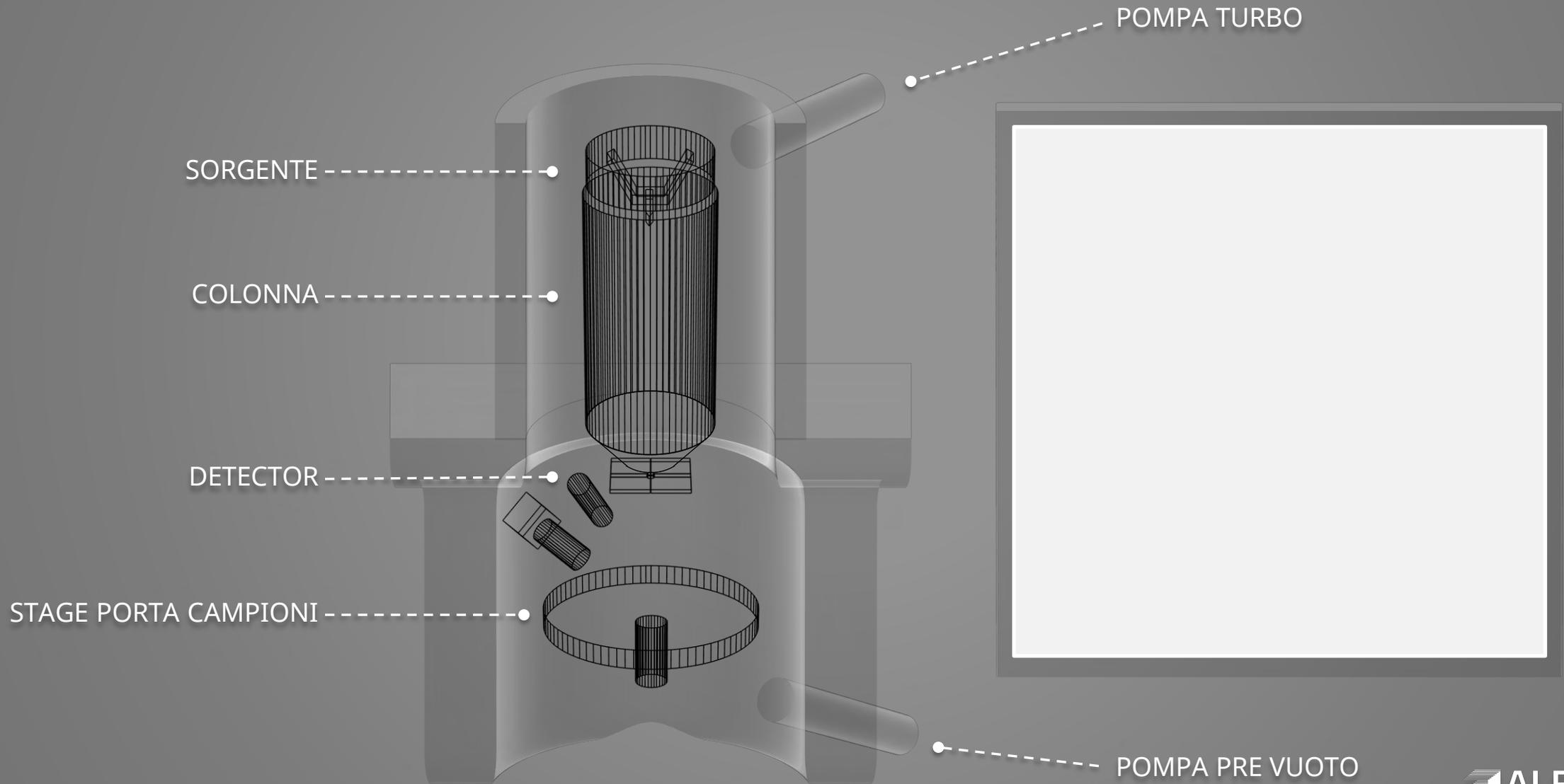
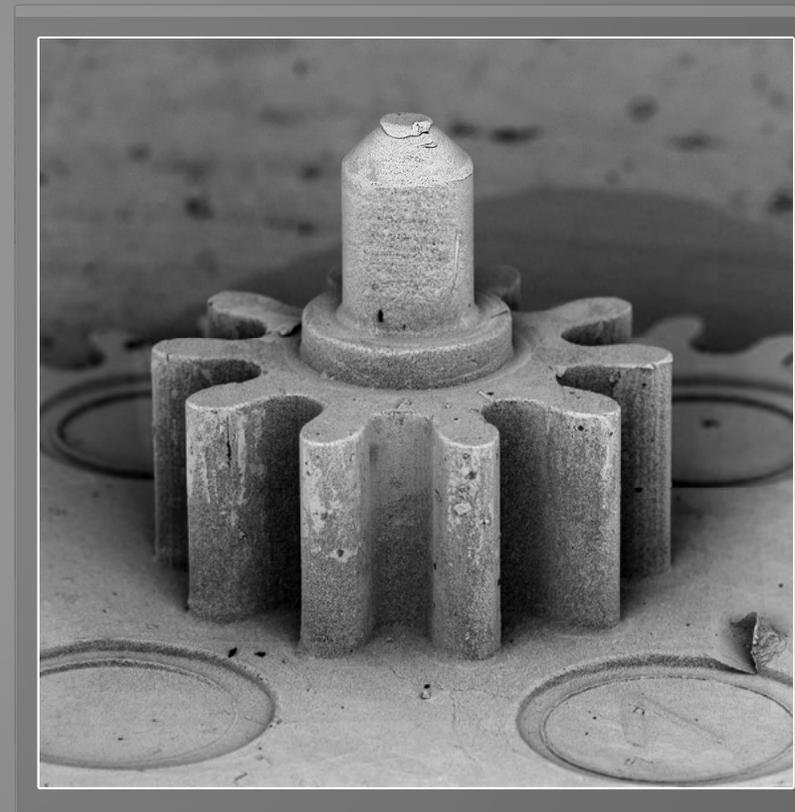
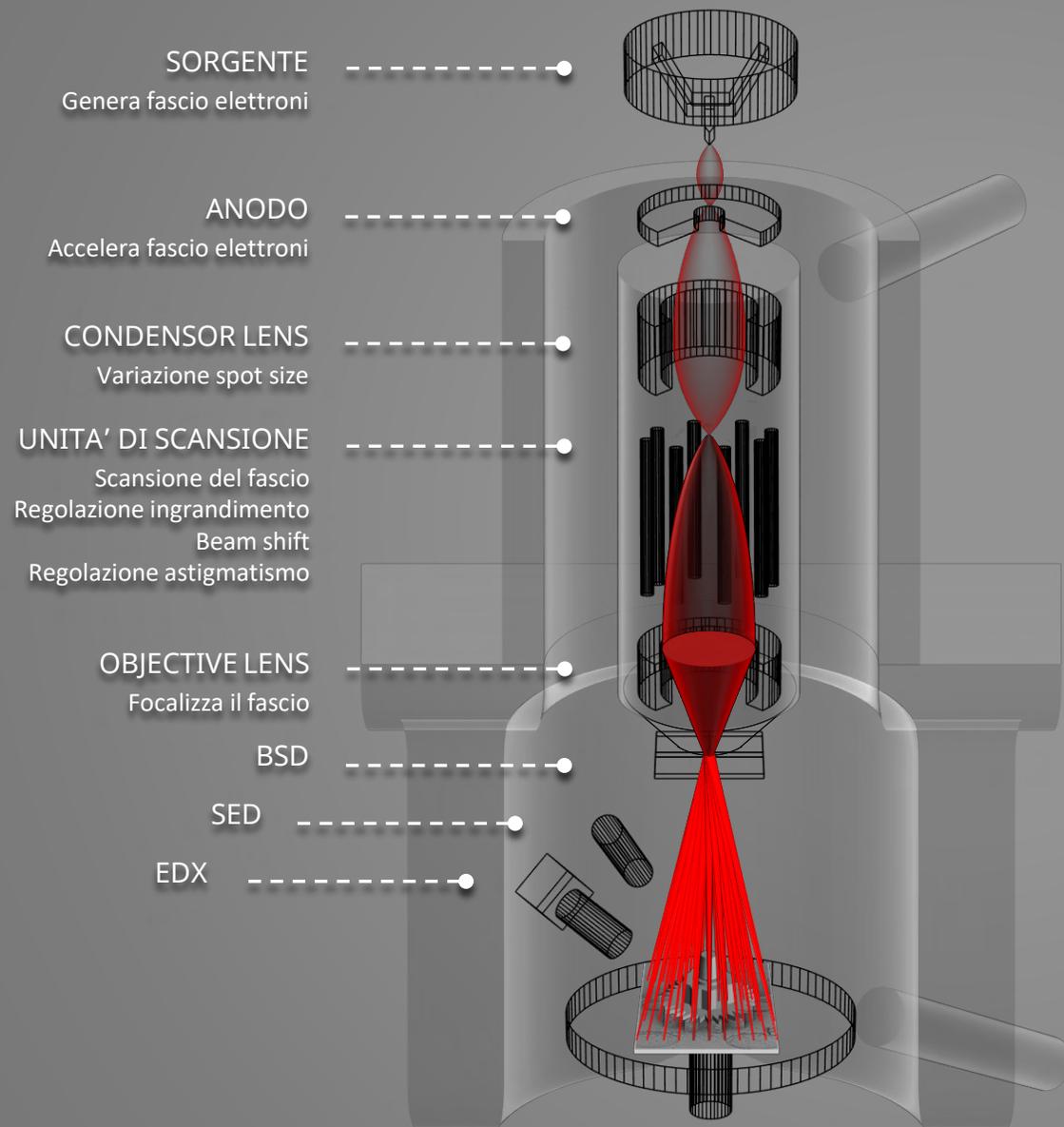


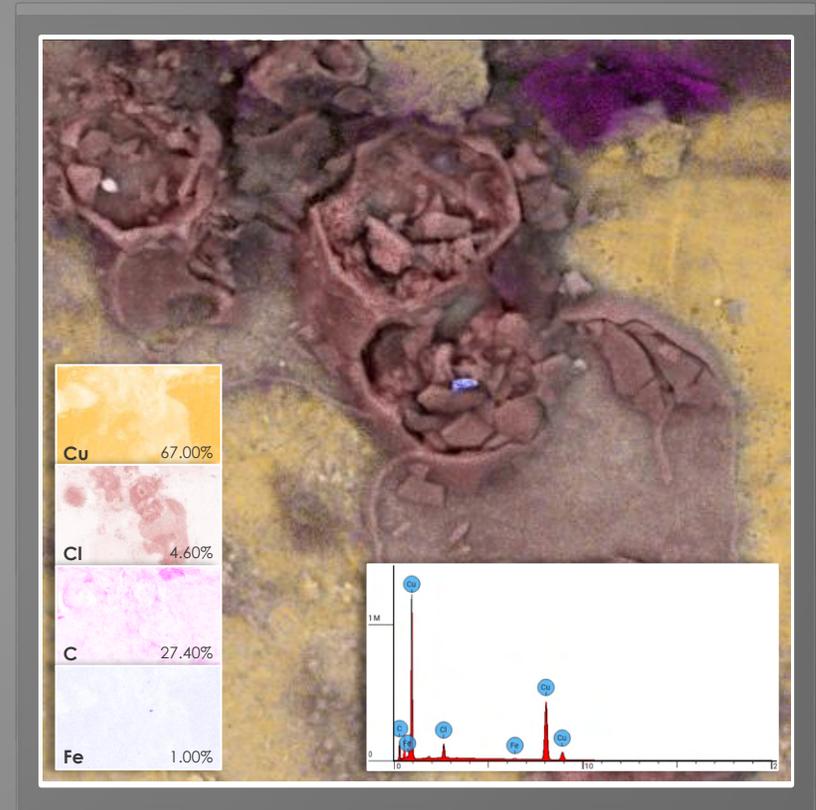
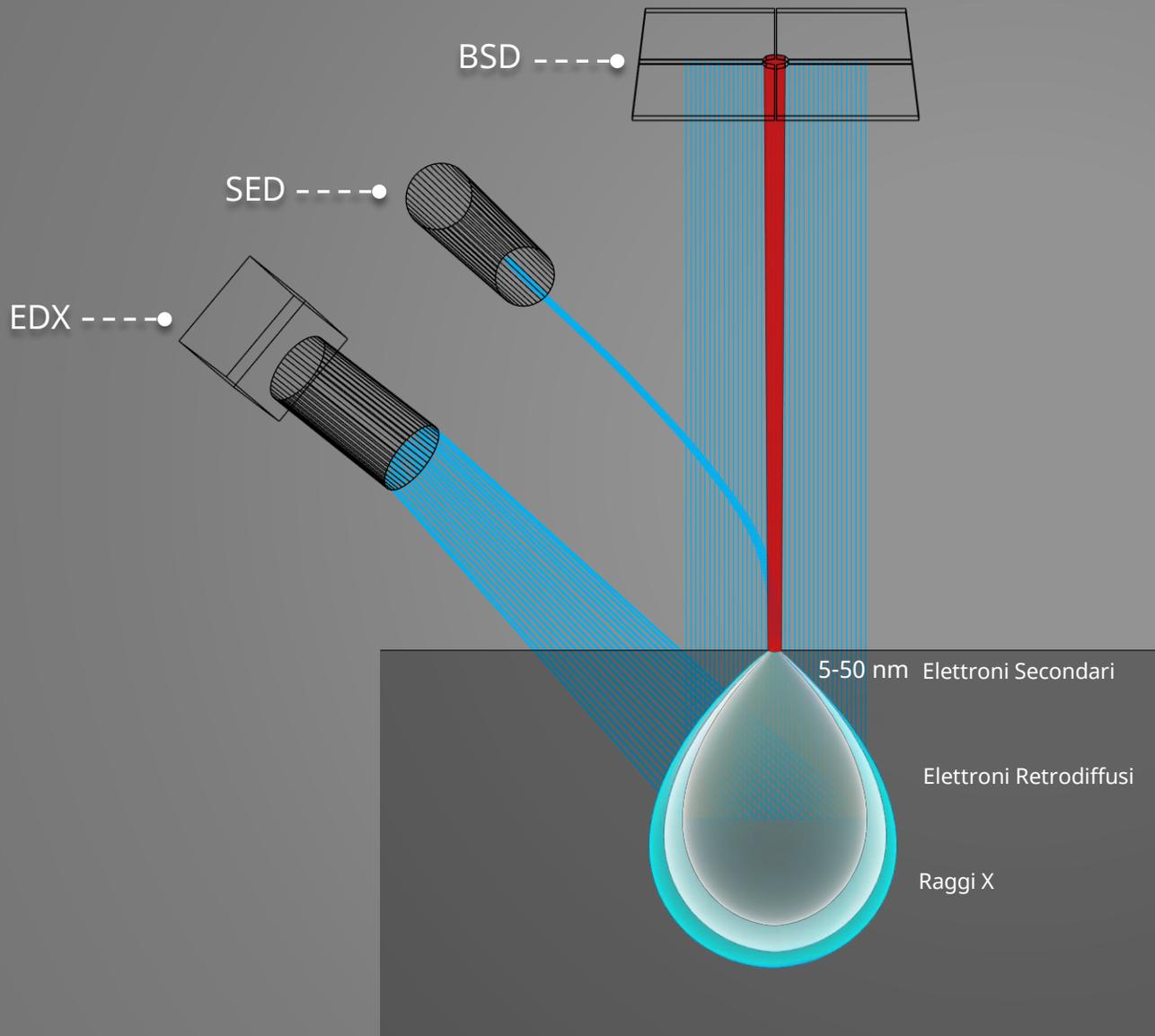
Microscopia SEM per applicazioni nel mondo della ceramica

Fabio De Simone
fabio.desimone@alfatest.it
Product Manager Microscopia Elettronica









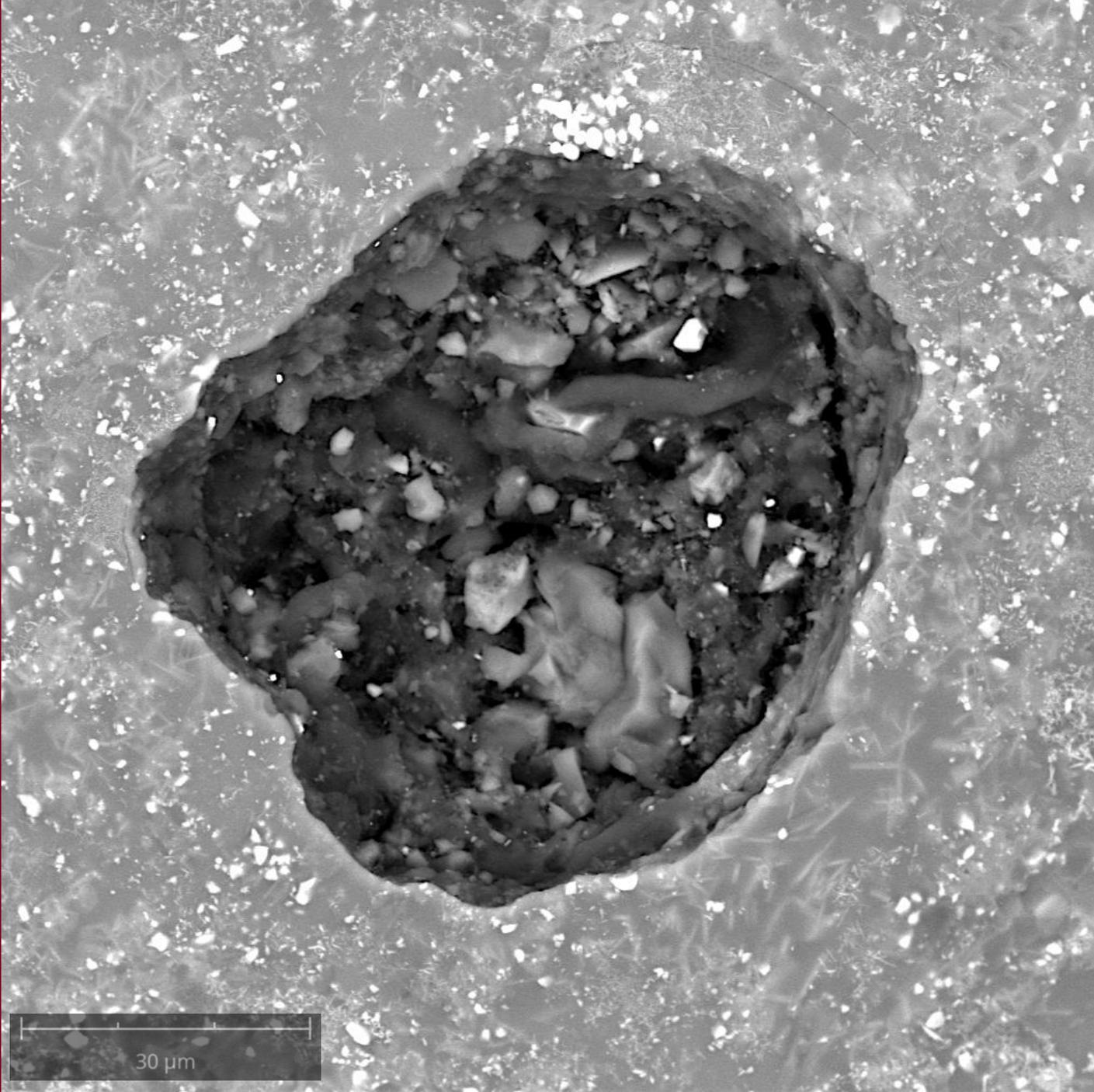
Analisi sulla piastrella (semilavorata fino al prodotto finito) e dei vari ricoprimenti

- Difettologia (in piano o in sezione)
- Corpi estranei (difettologia graniglie)
- Struttura superficiale (amorfa/cristallina) > influenza proprietà estetiche e funzionali

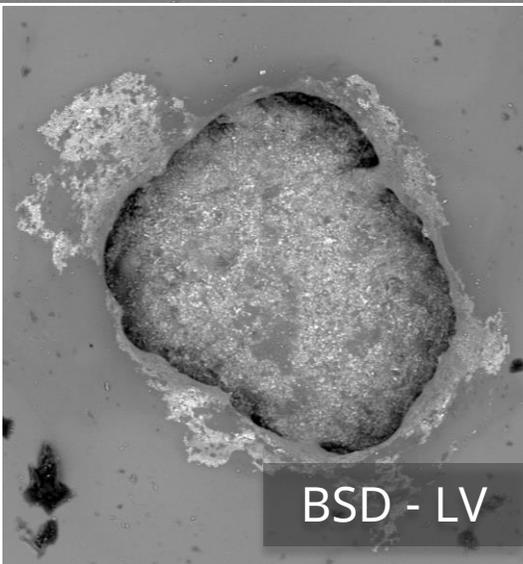
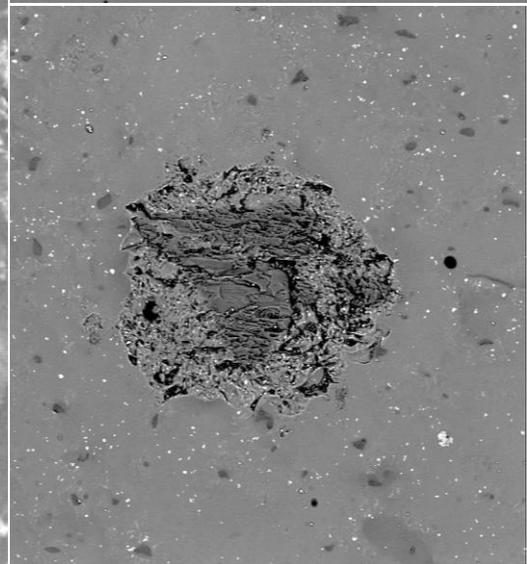
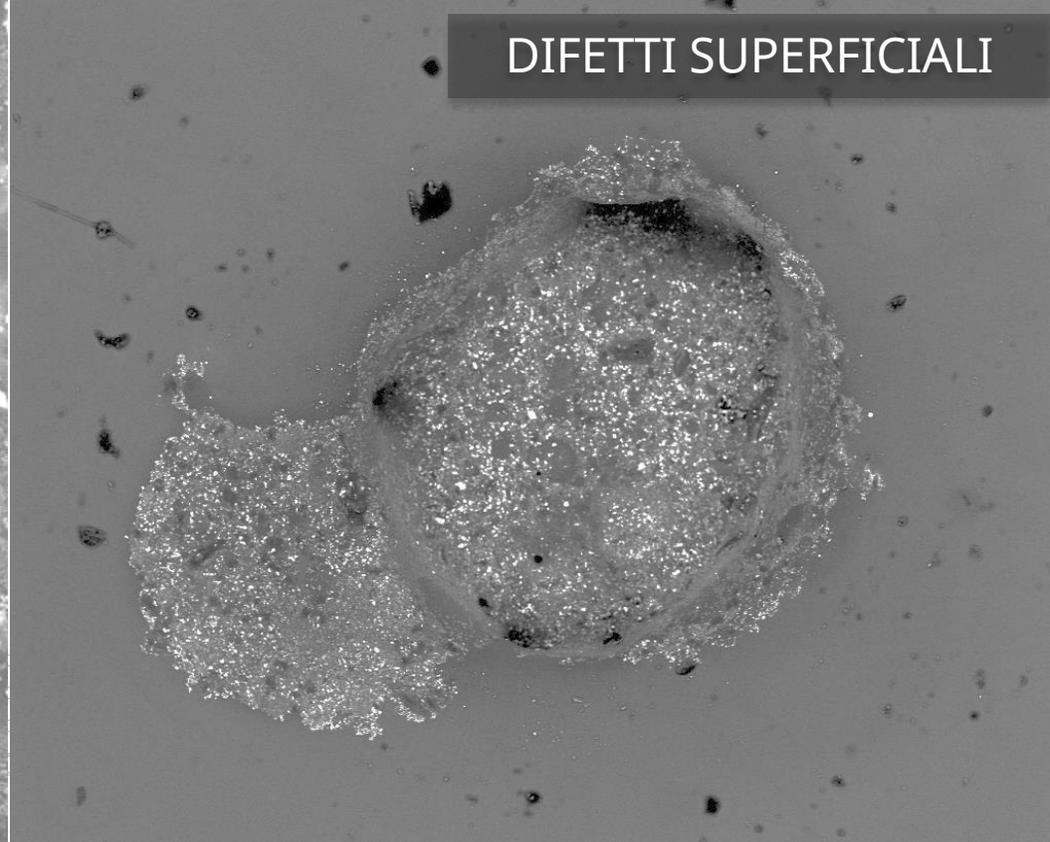
Analisi sulla materia prima (graniglia)

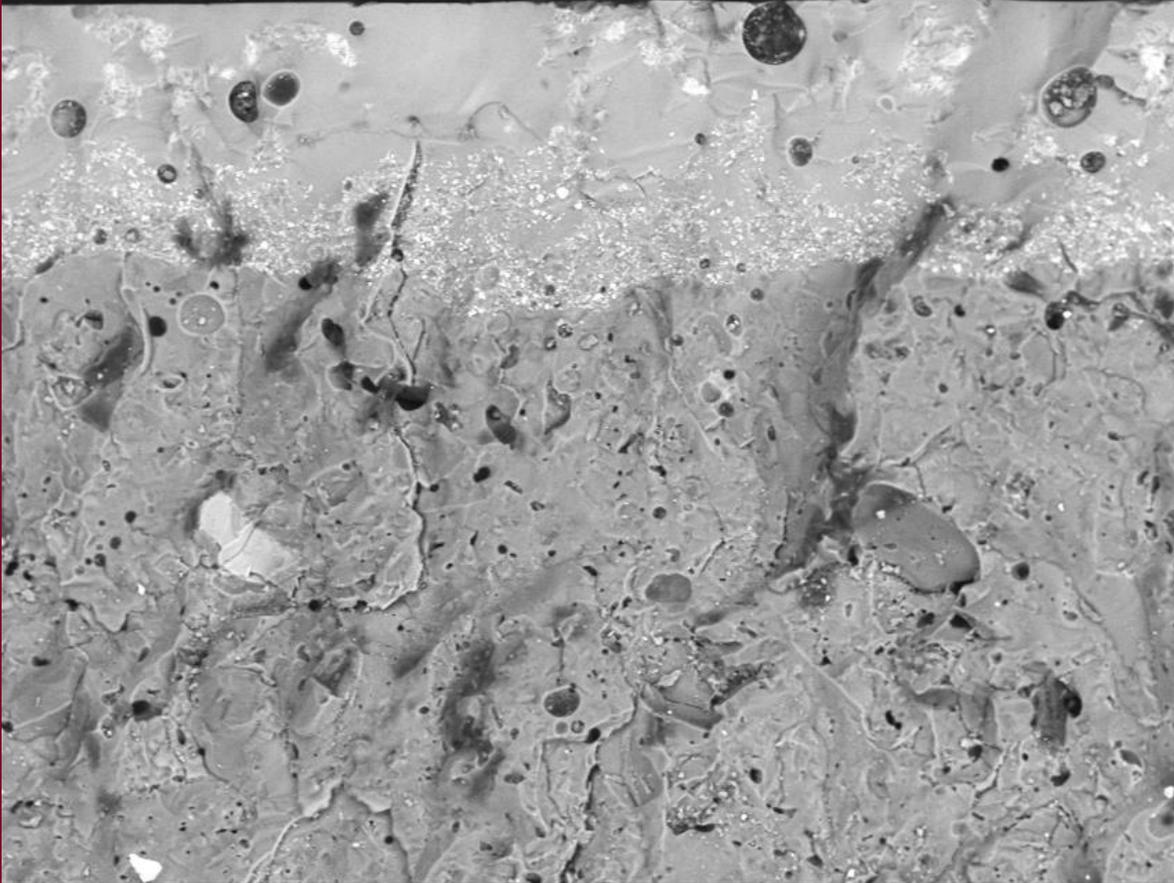
Analisi sugli inchiostri (campioni liquidi trattati)

Analisi sulle testine per la stampa

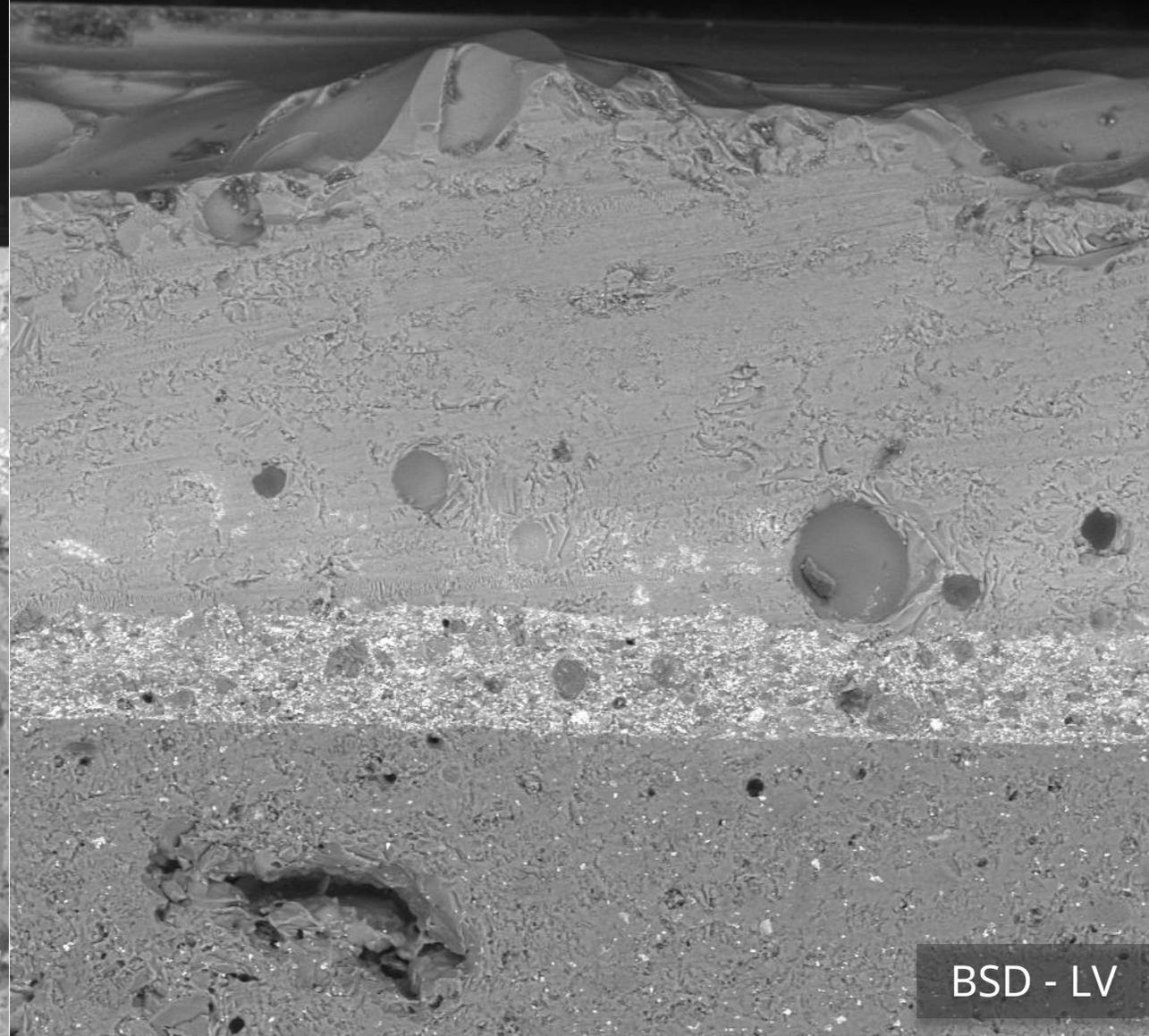


DIFETTI SUPERFICIALI





DIFETTI SUPERFICIALI - SEZIONI



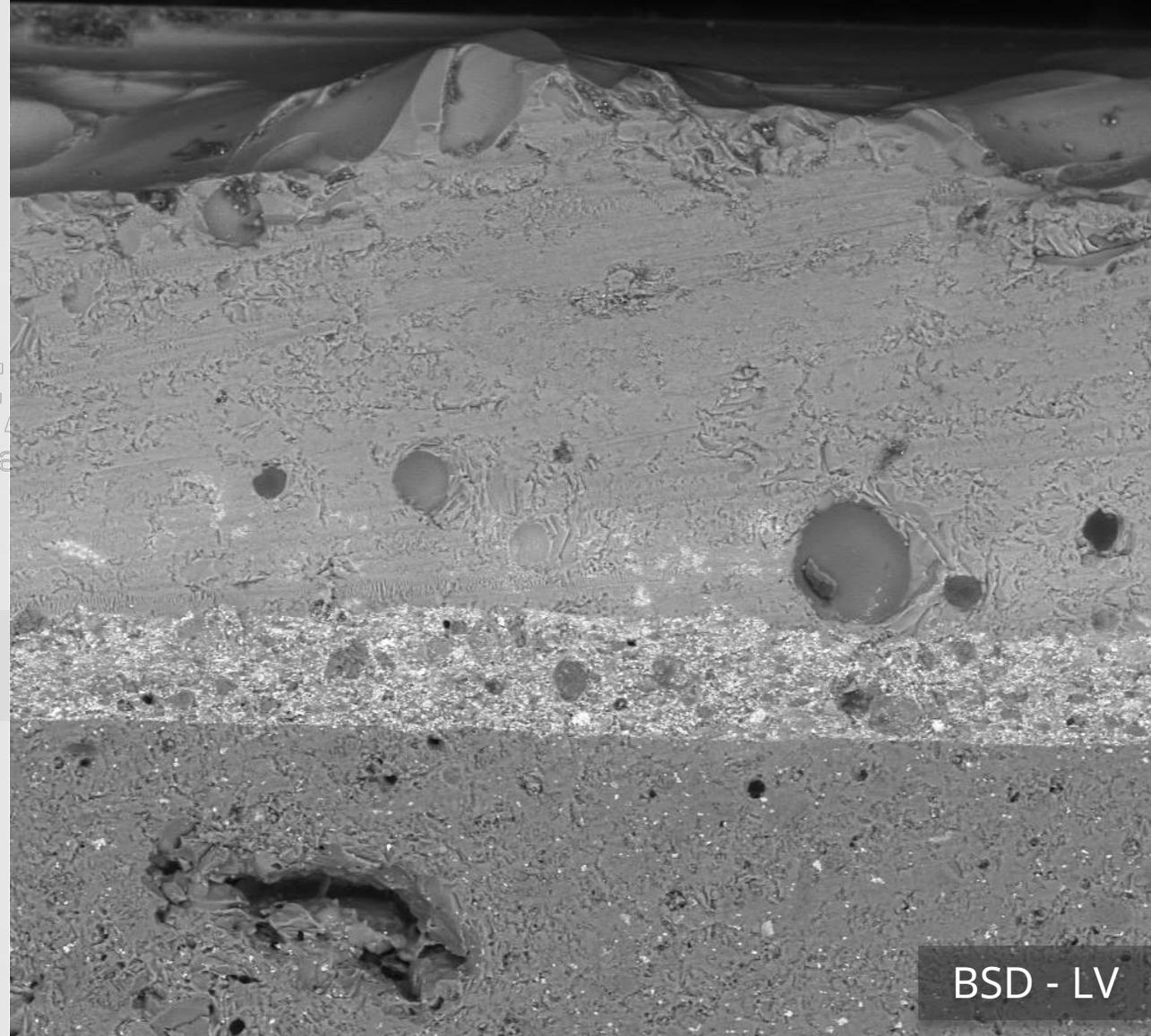
BSD - LV

SEZIONE SENZA DIFETTI

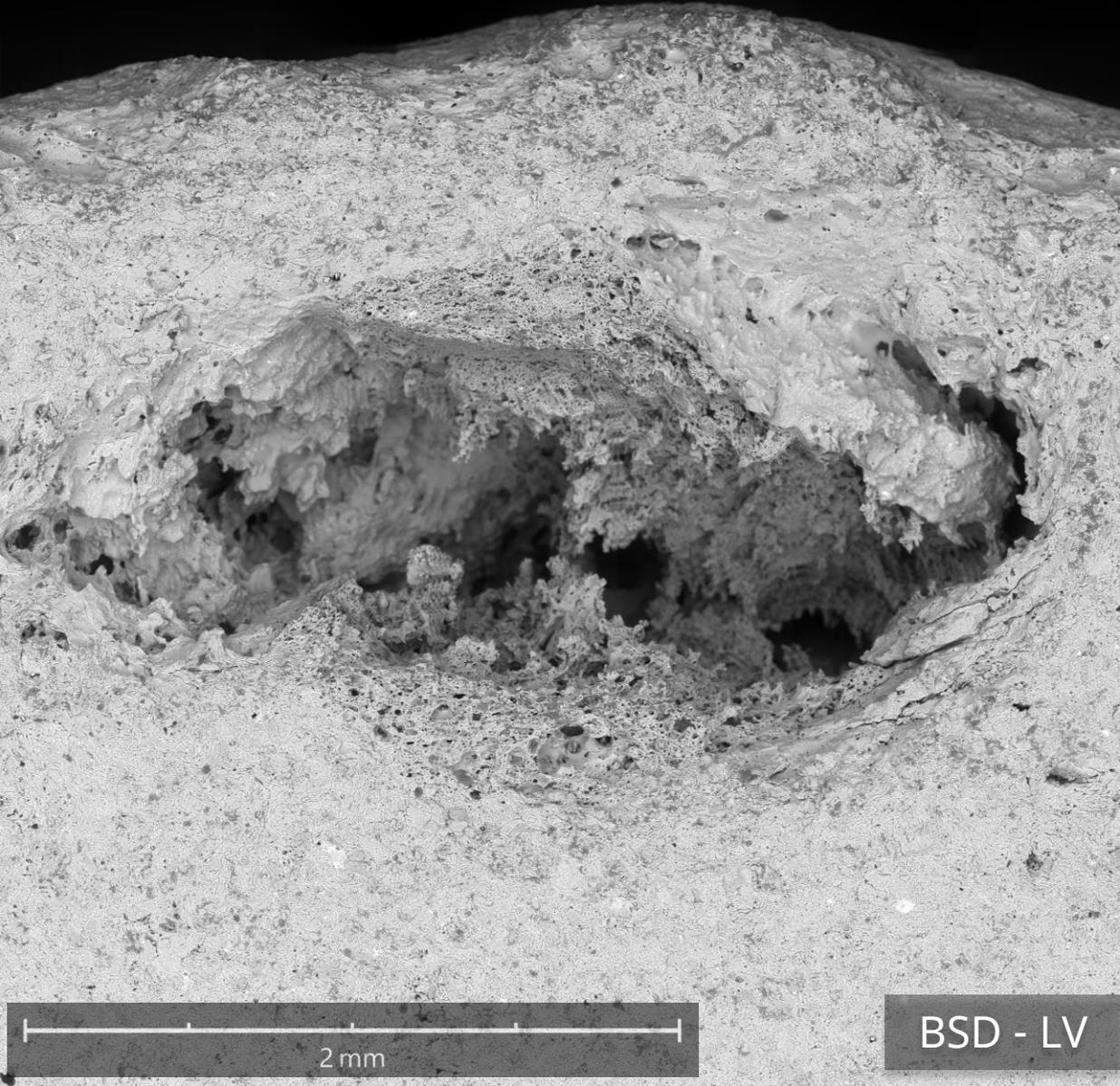
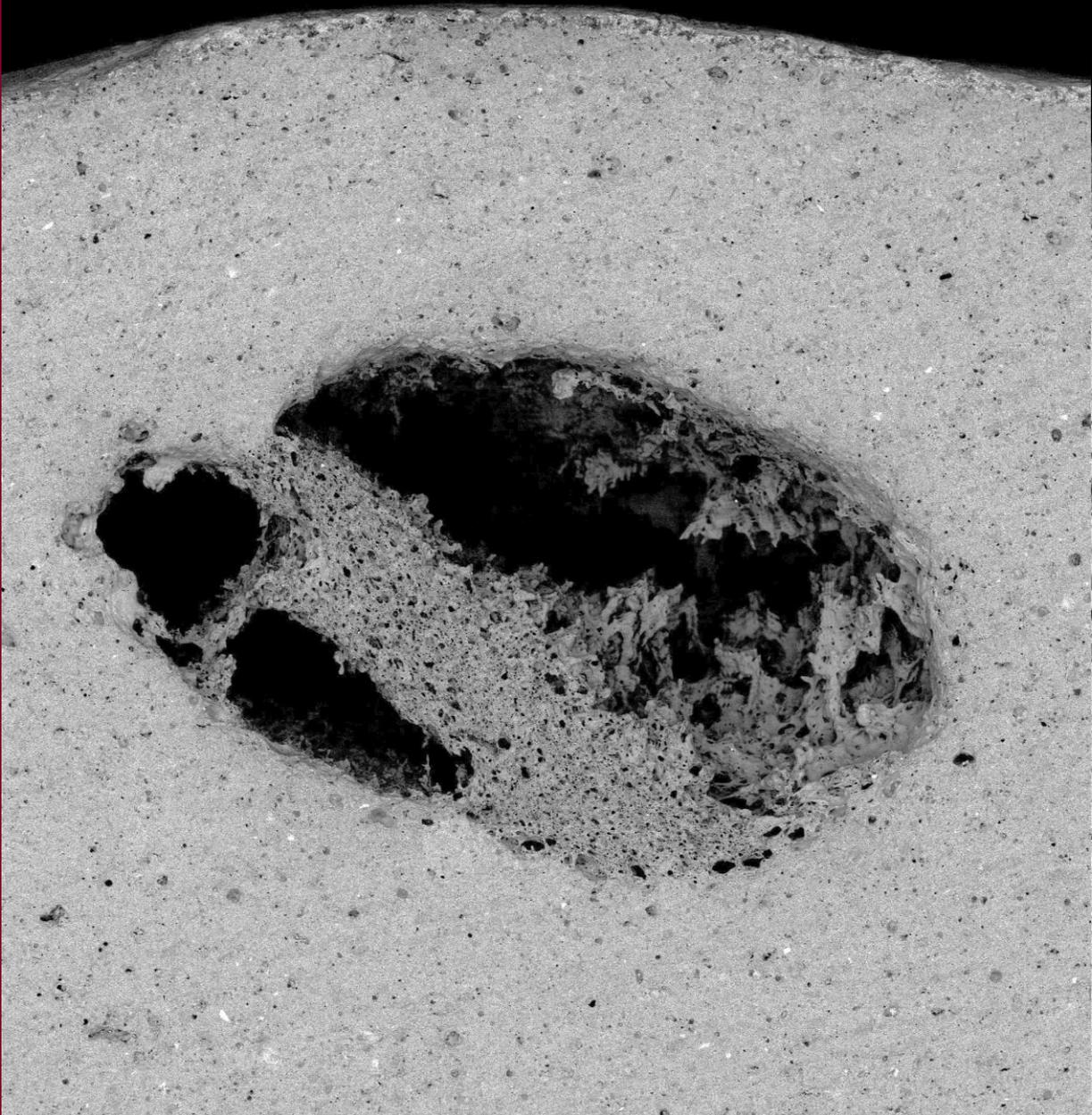
COPERTURA
(smalto, graniglia, salatura etc.)

ENGOBBIO

IMPASTO



DIFETTI SUPERFICIALI - SEZIONI

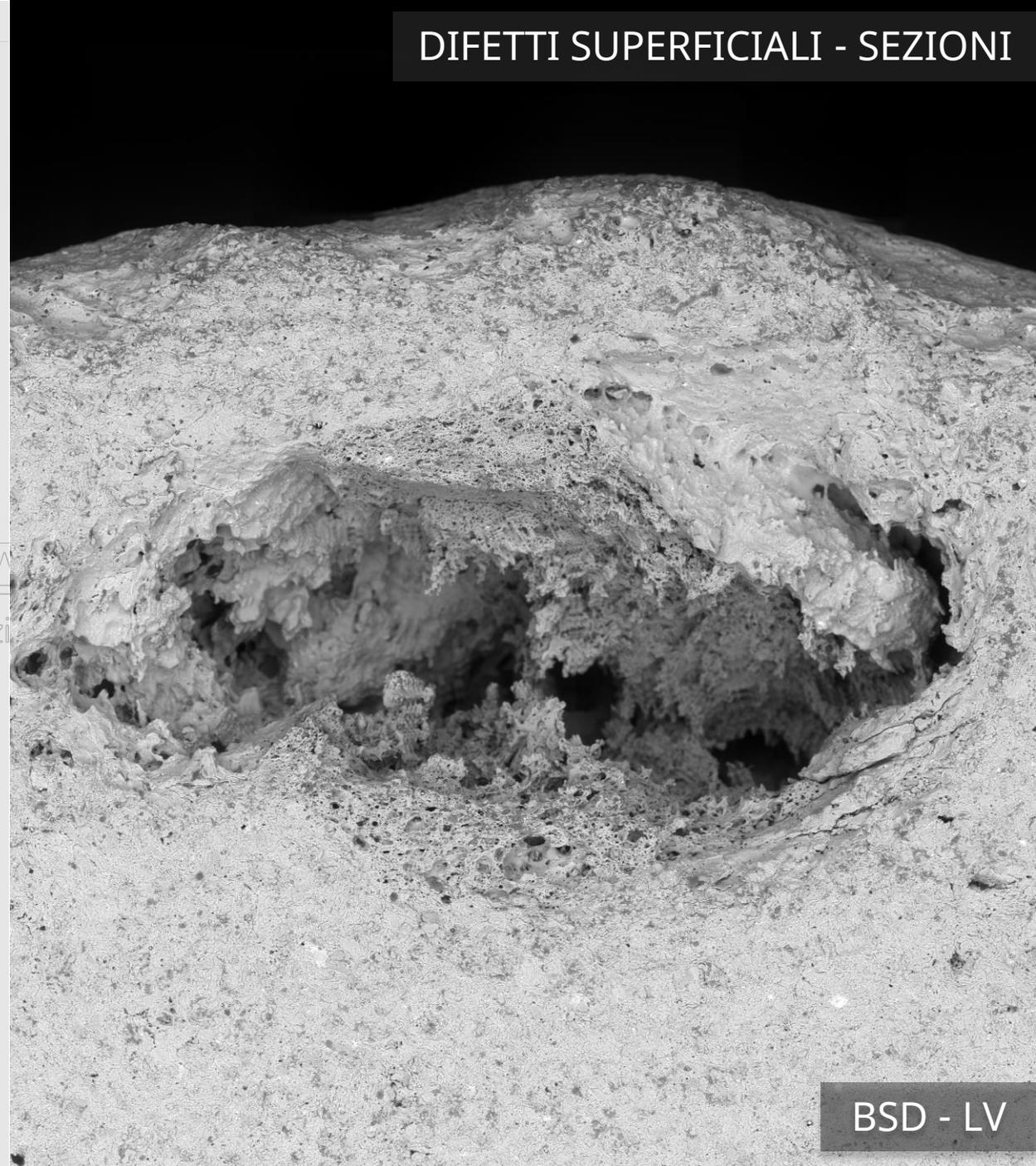


2 mm

BSD - LV

SEZIONE CON DIFETTI

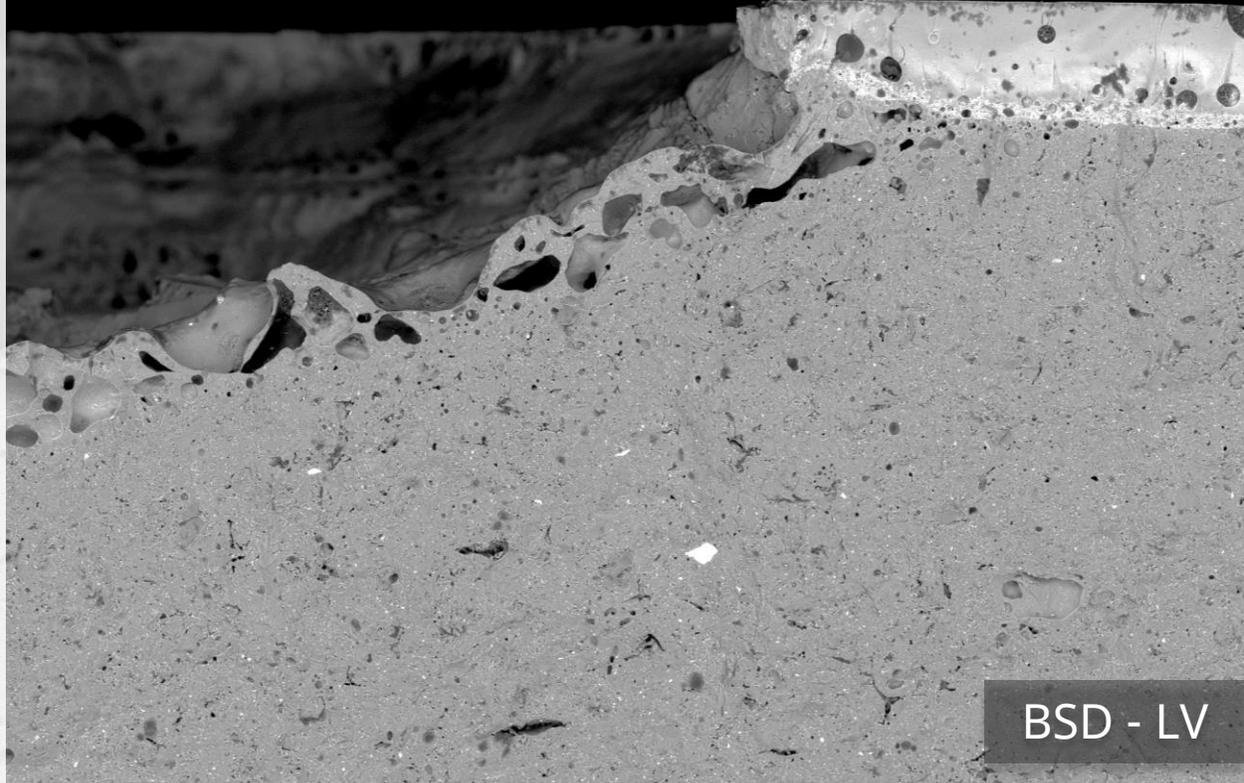
all'interno dell'impasto



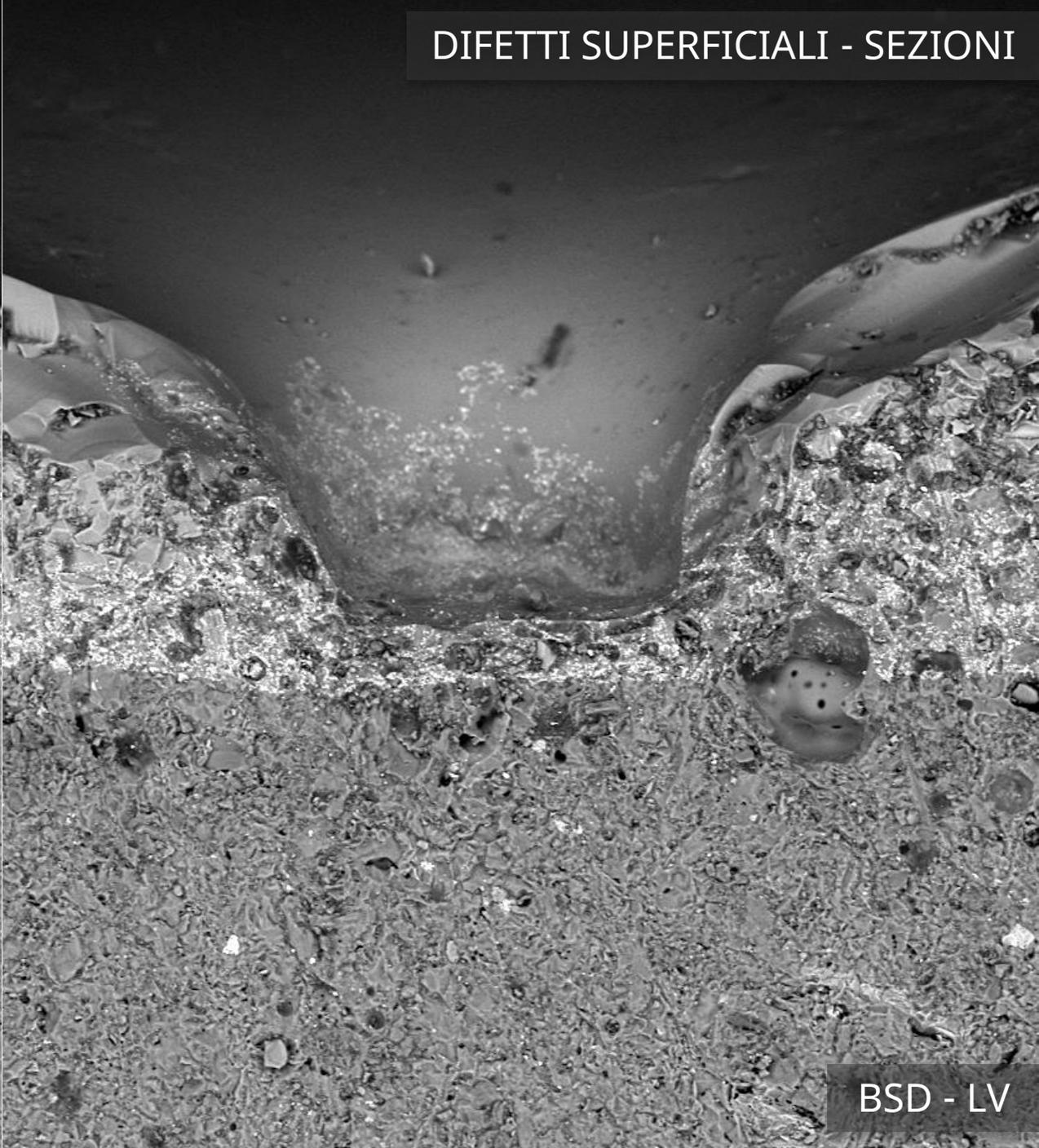
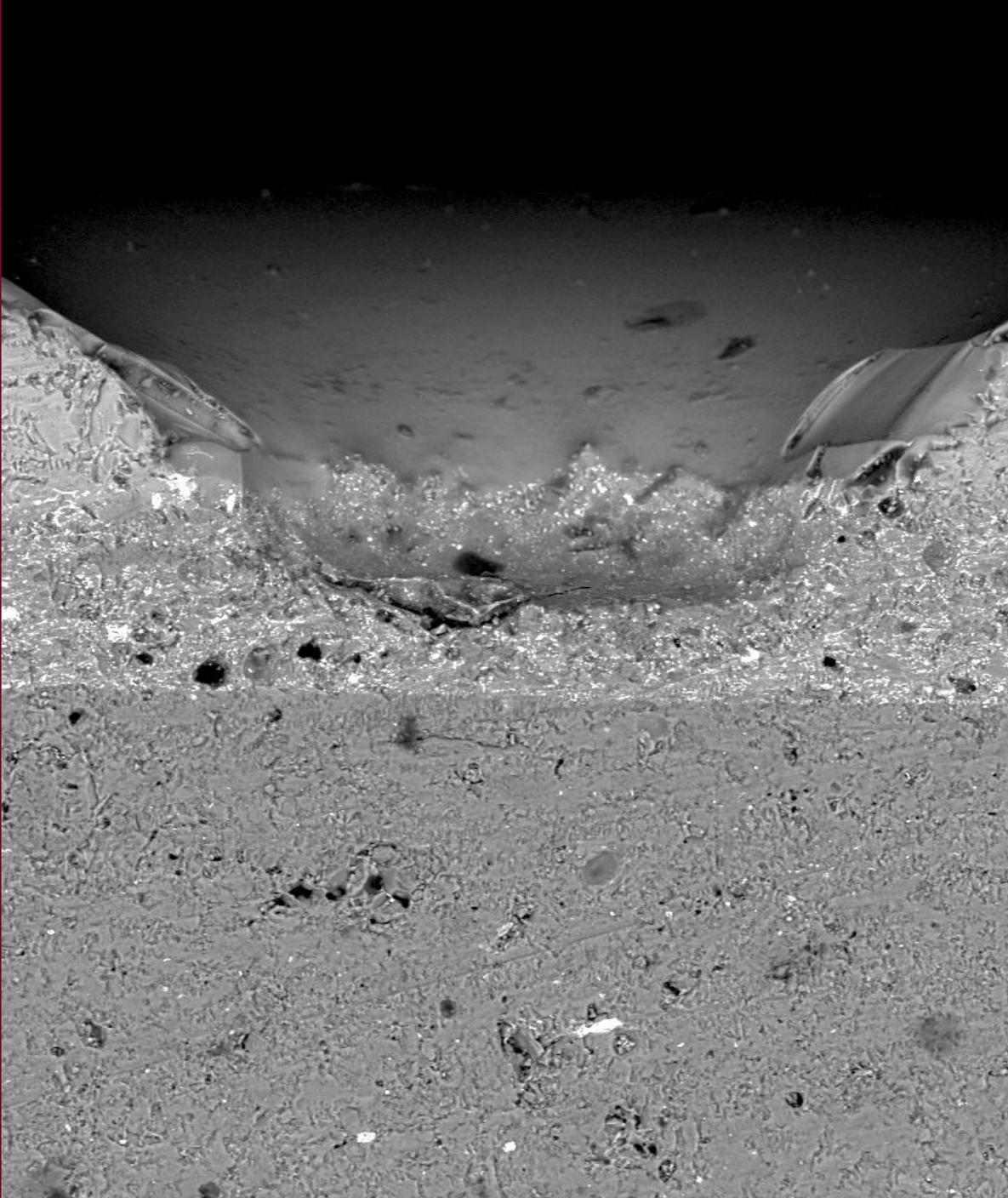
BSD - LV



SEZIONE CON DIFETTI
negli strati superficiali

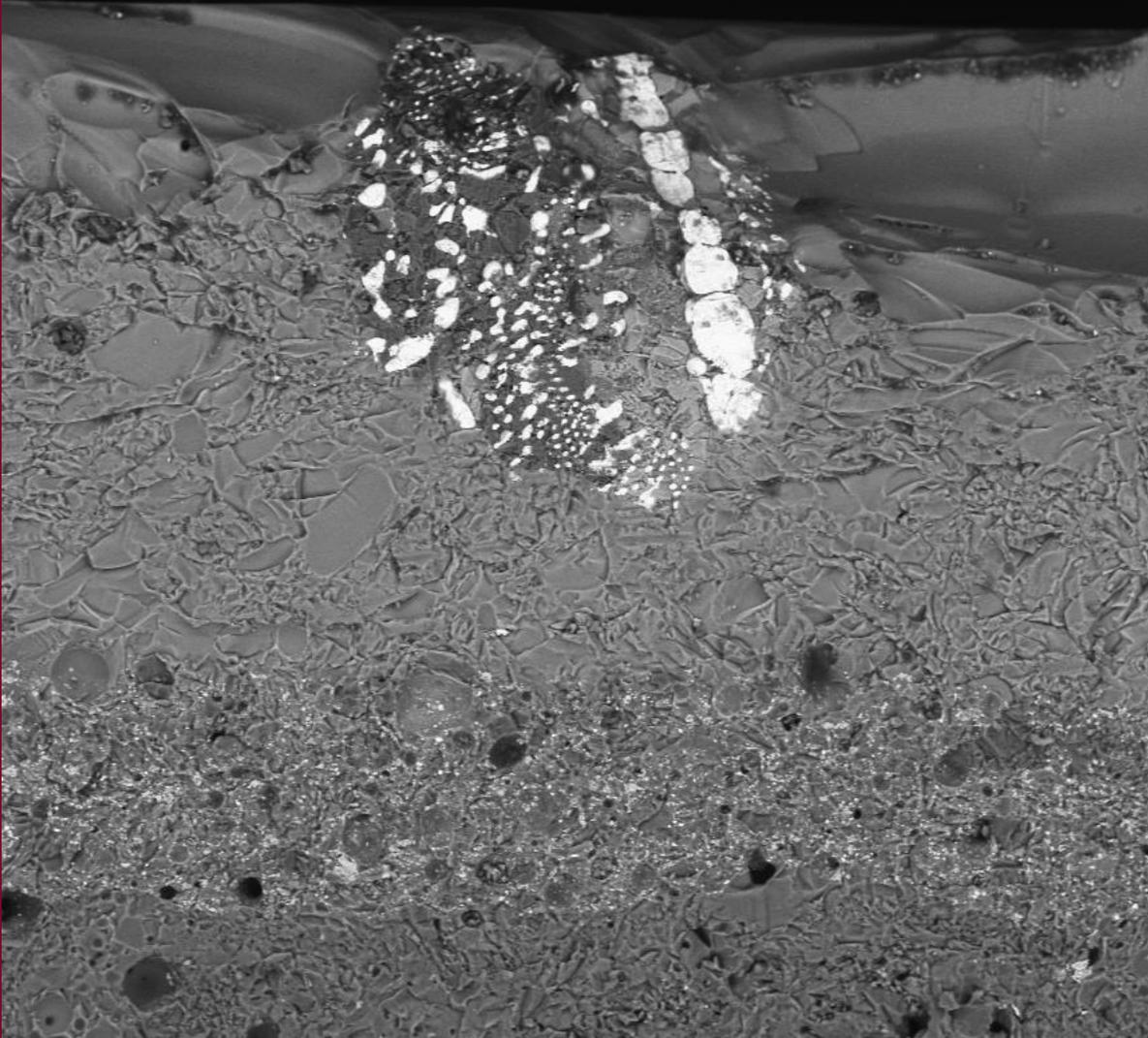


BSD - LV

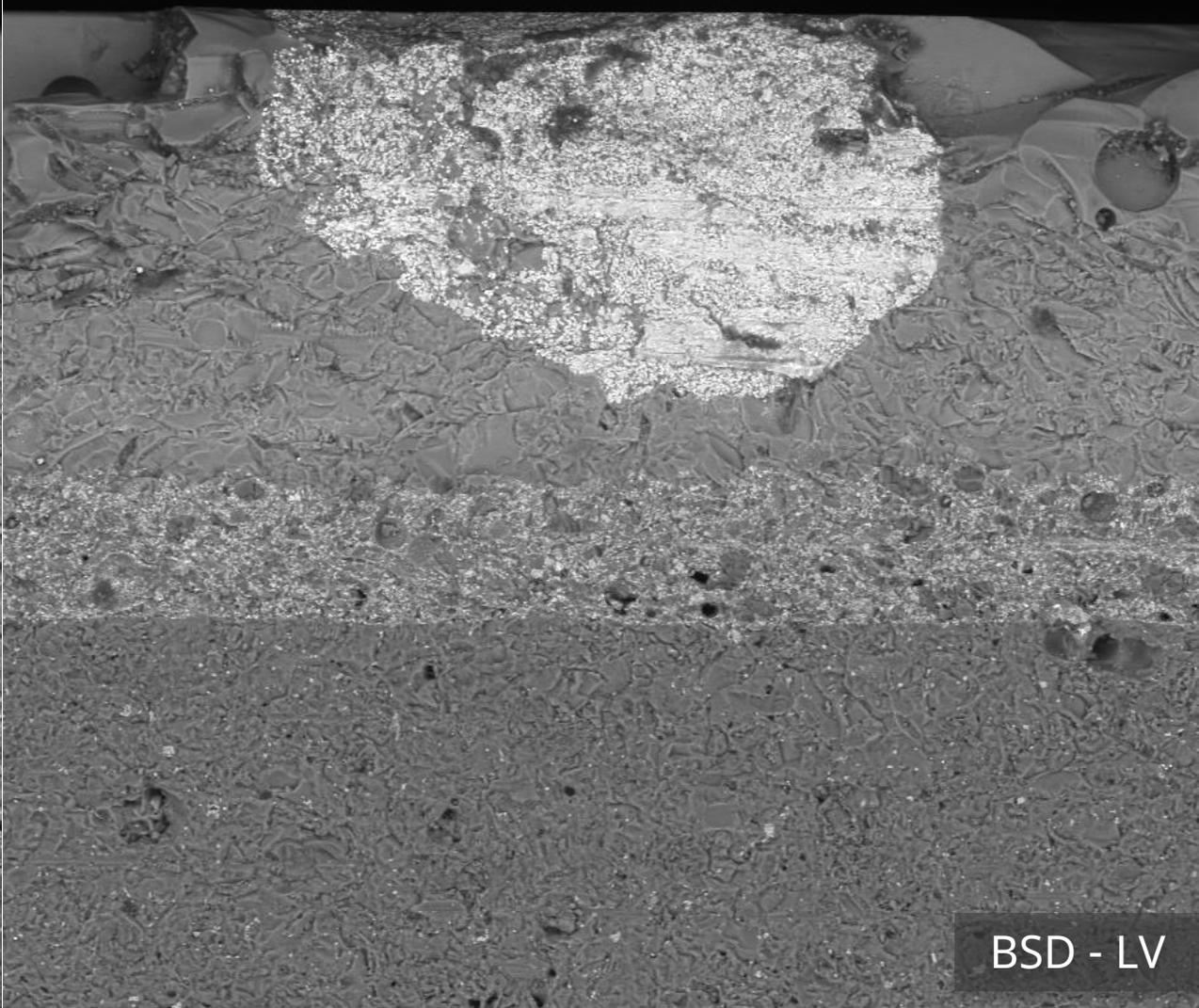


DIFETTI SUPERFICIALI - SEZIONI

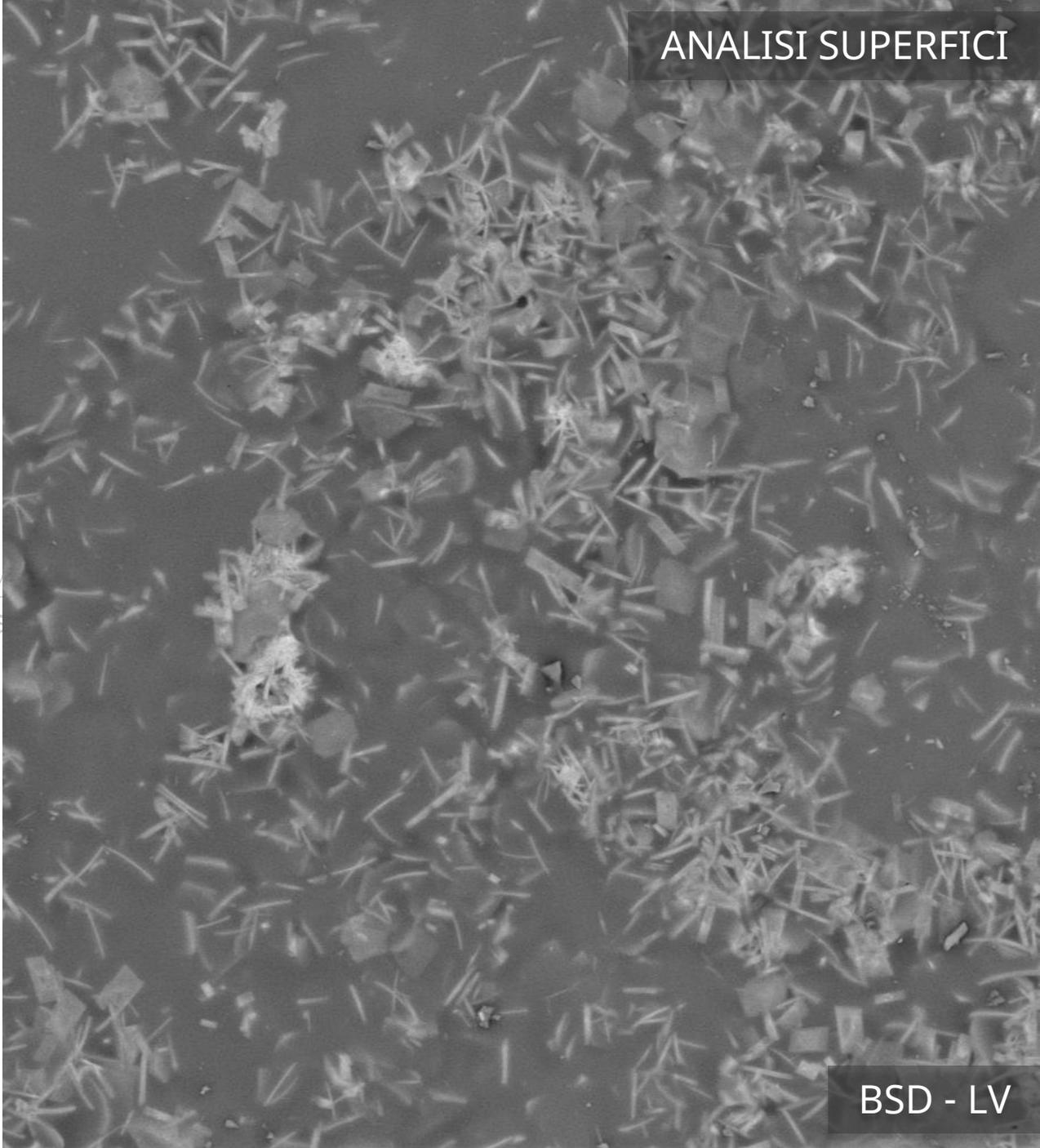
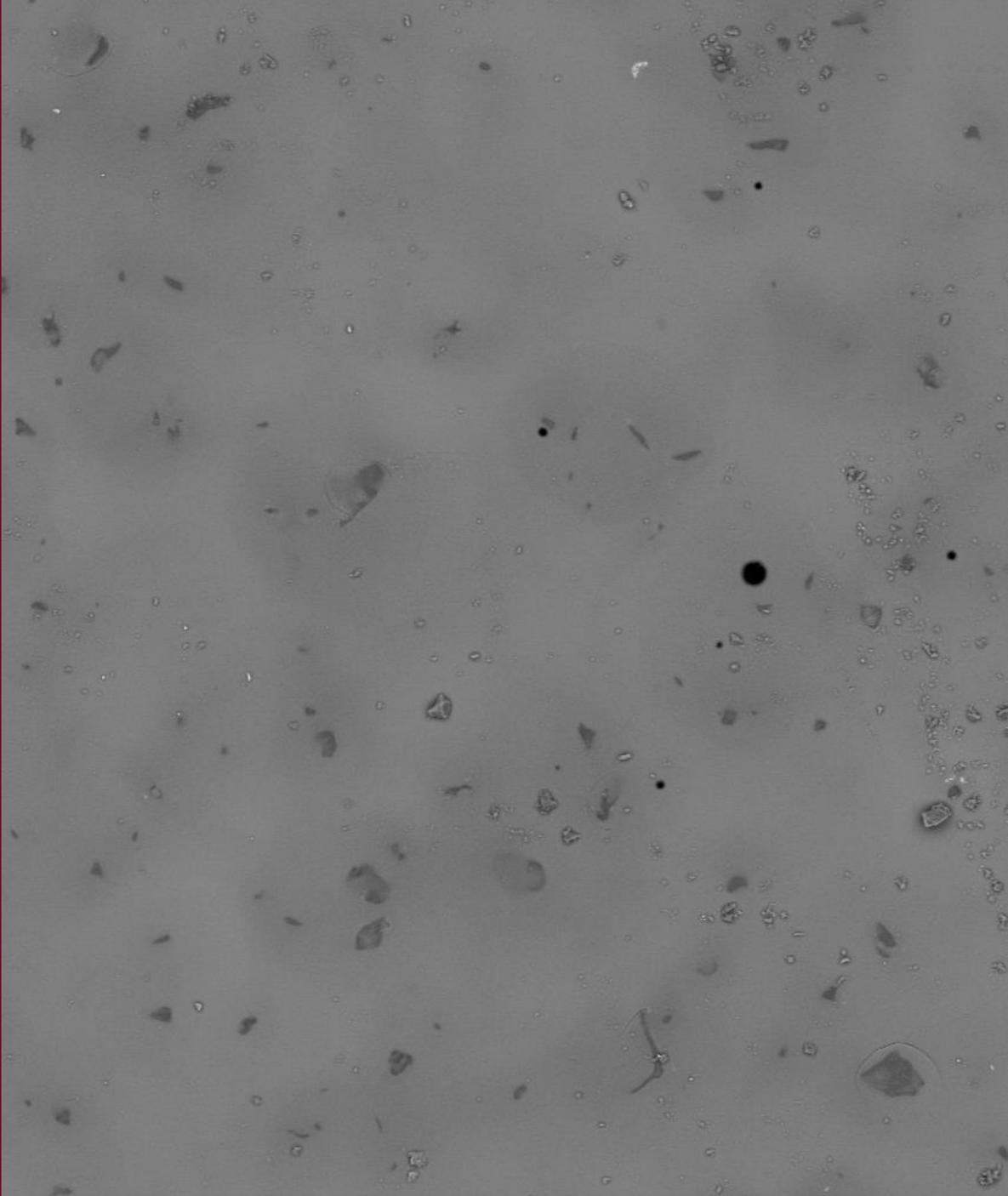
BSD - LV



DIFETTI SUPERFICIALI - SEZIONI



BSD - LV



ANALISI SUPERFICI

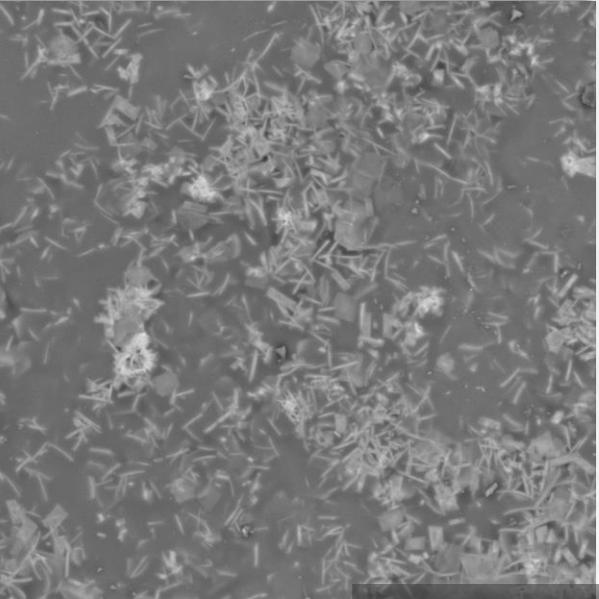
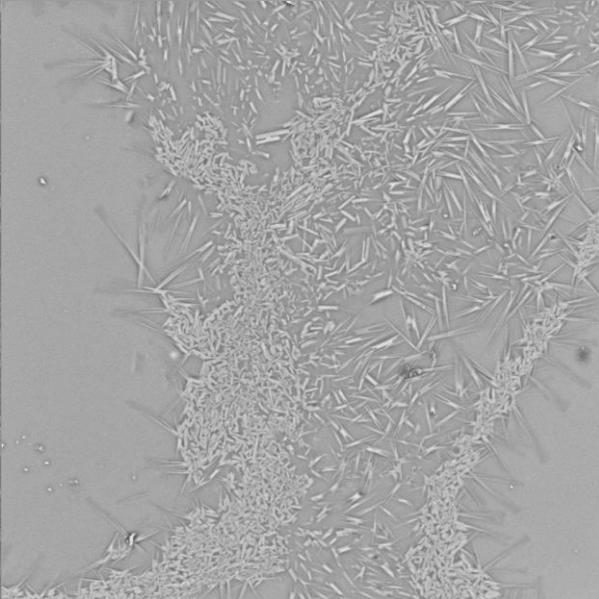
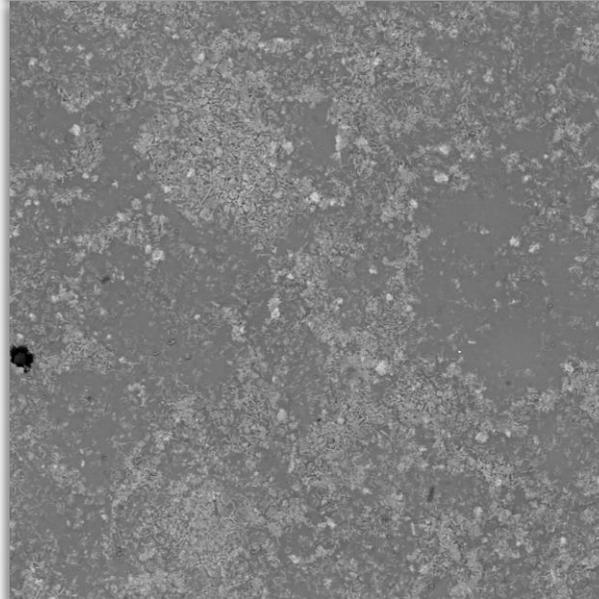
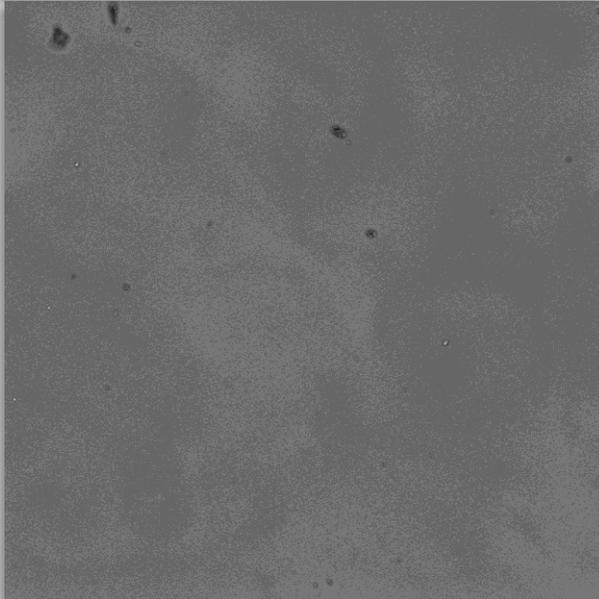
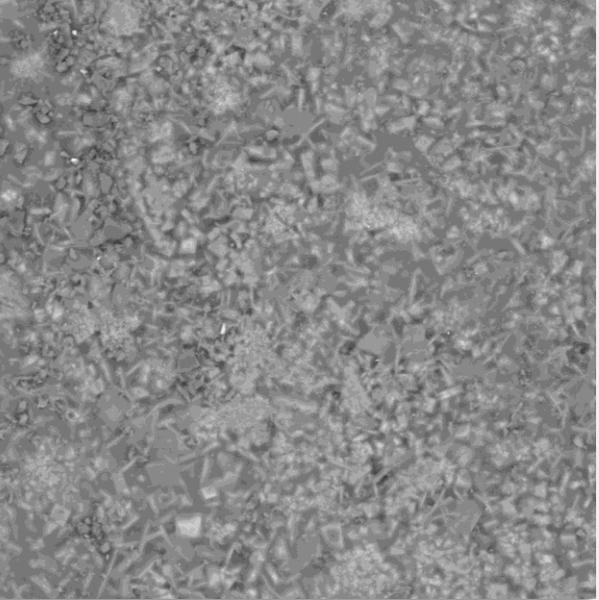
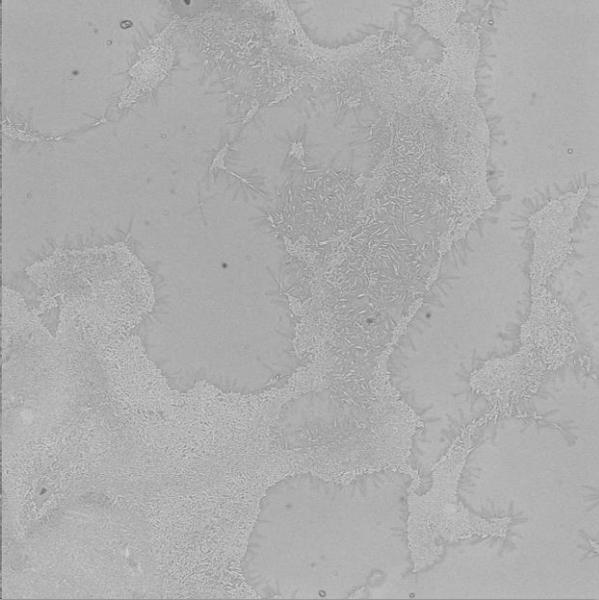
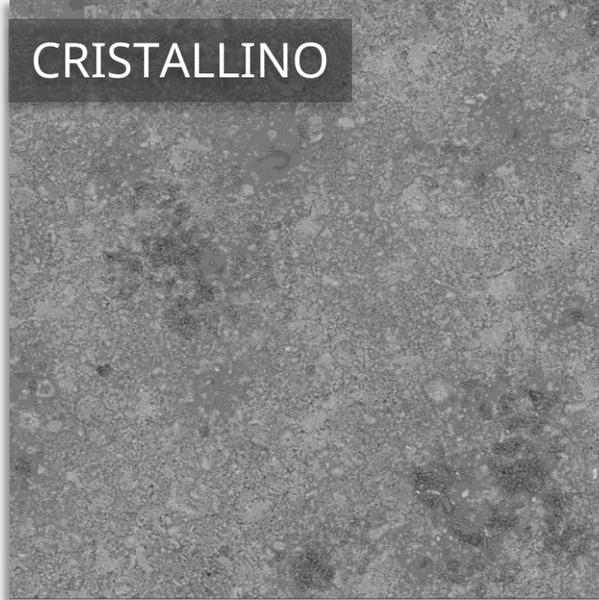
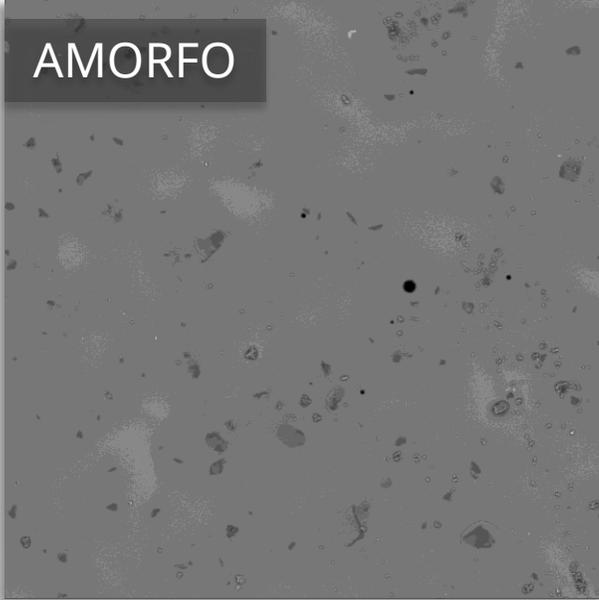
BSD - LV

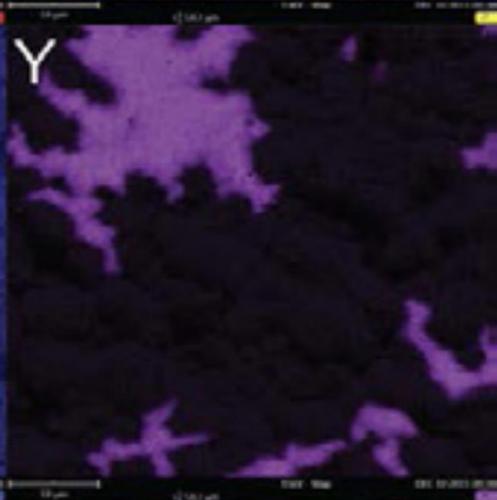
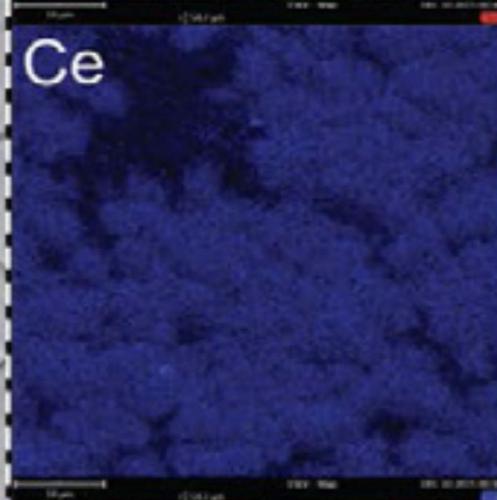
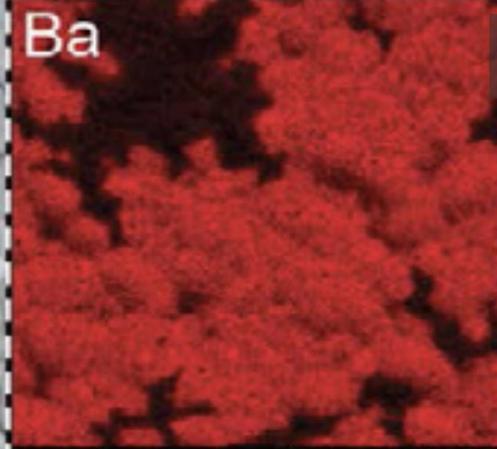
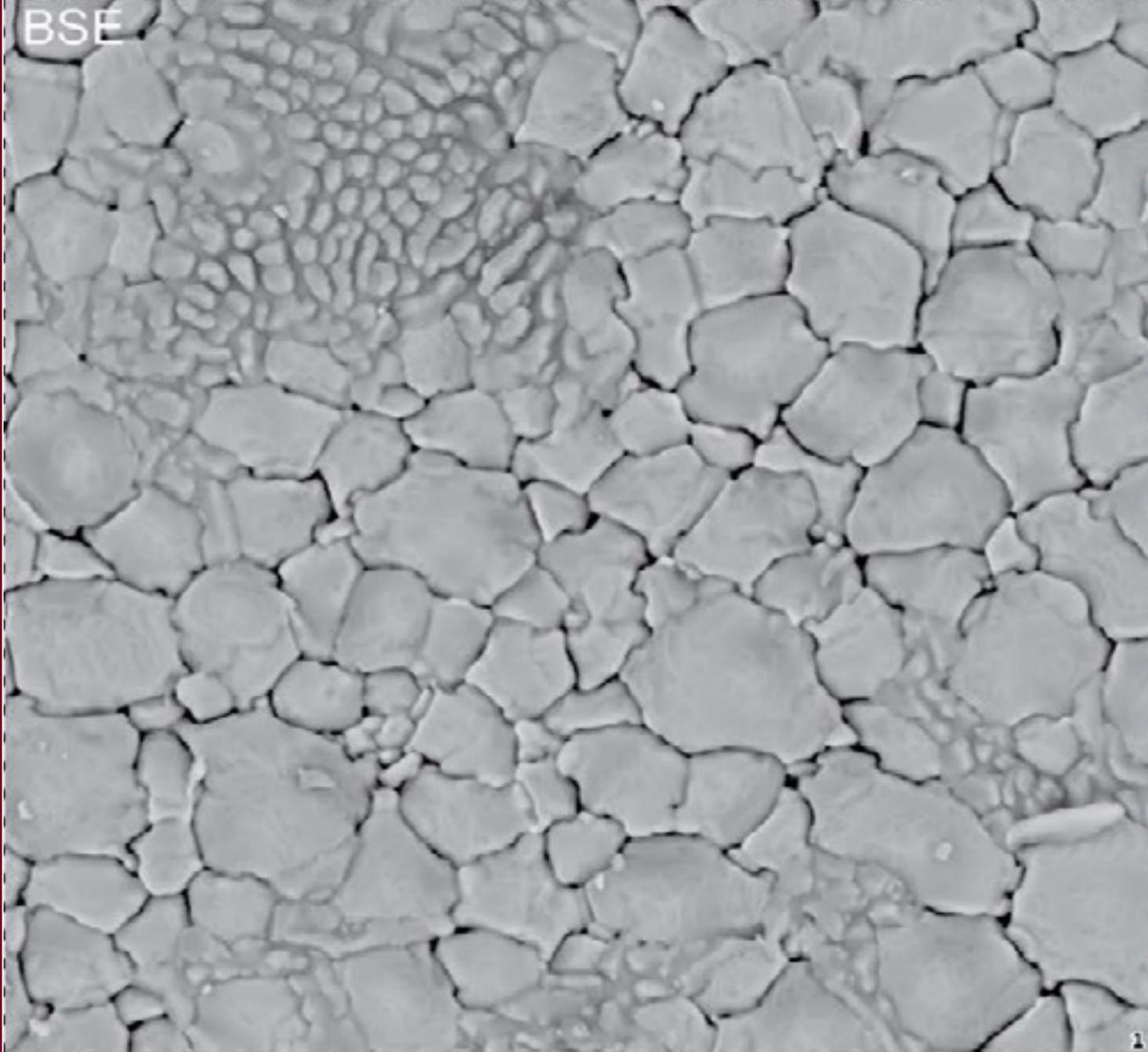
ANALISI SUPERFICIE

Struttura amorfa/cristallina vetri

ANALISI SUPERFICIE

BSD - LV





ANALISI SUPERFICI

EDX - LV

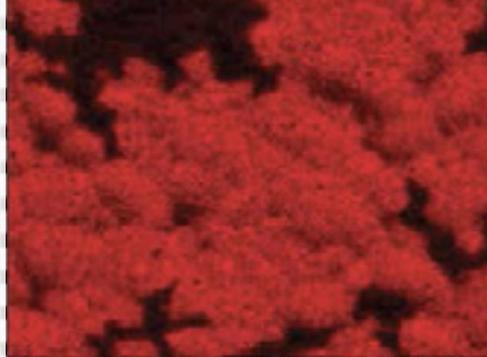
BSE

ANALISI SUPERFICI

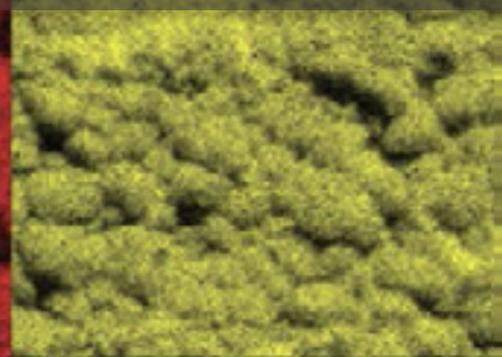
Composizione - EDX

10 µm 15kV - Map

Ba



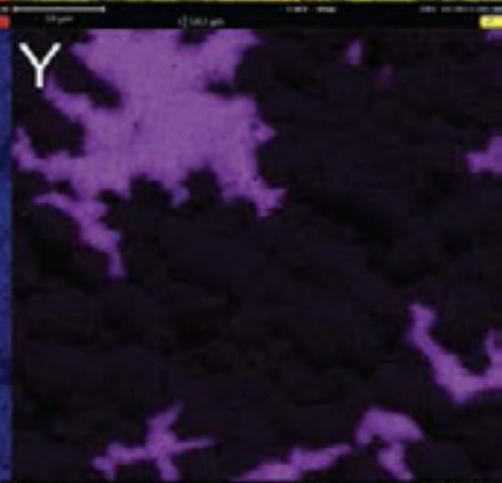
Zr ANALISI SUPERFICI



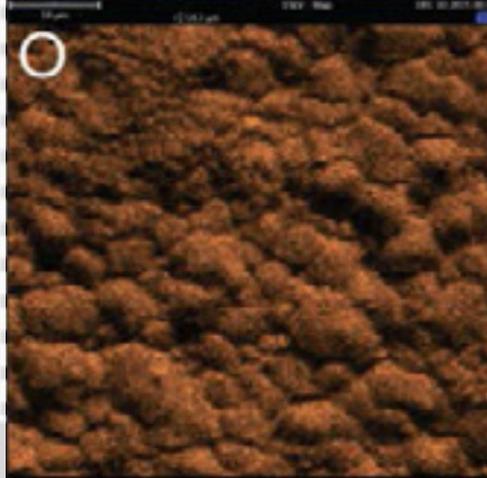
Ce



Y



O

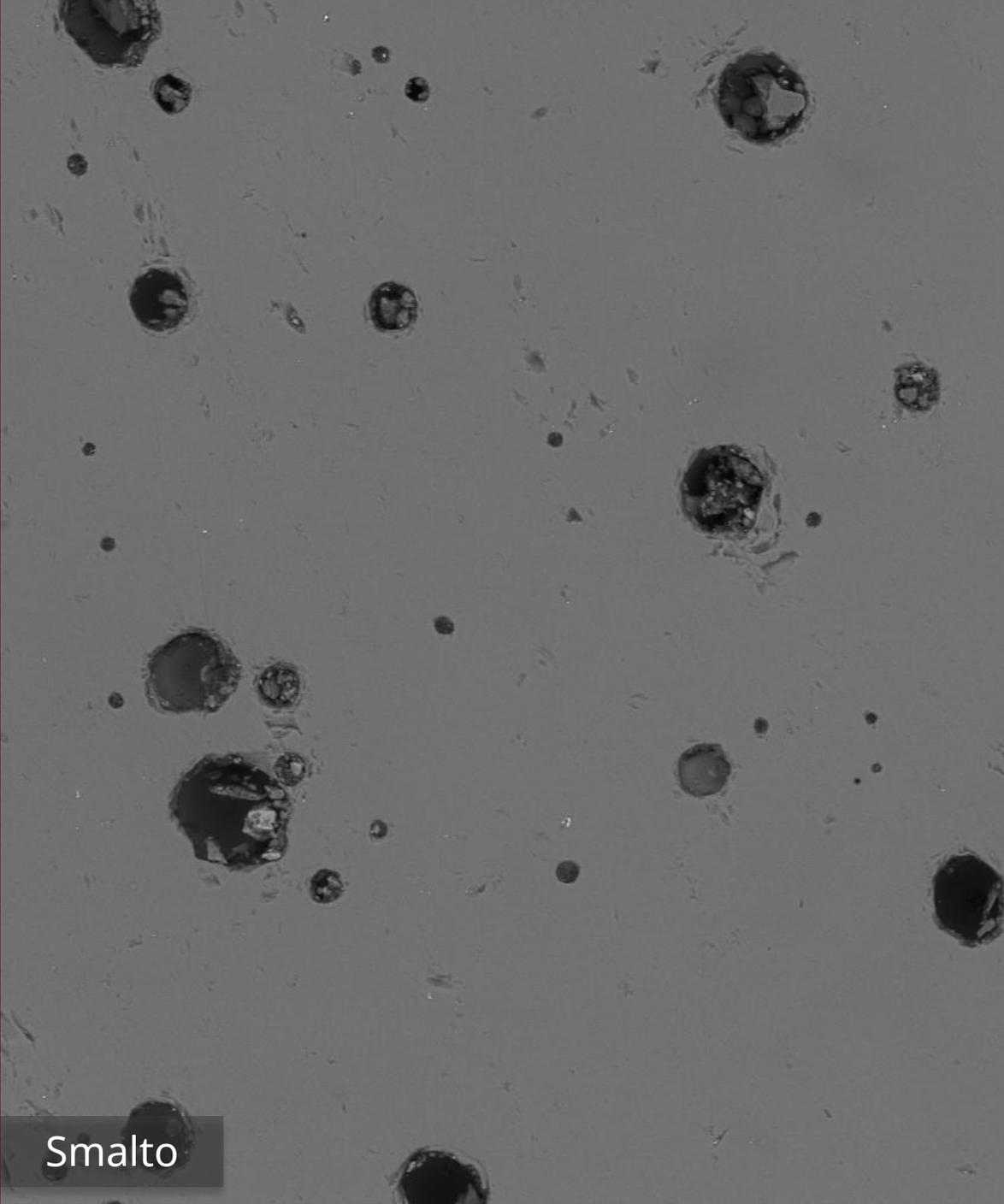


Ni



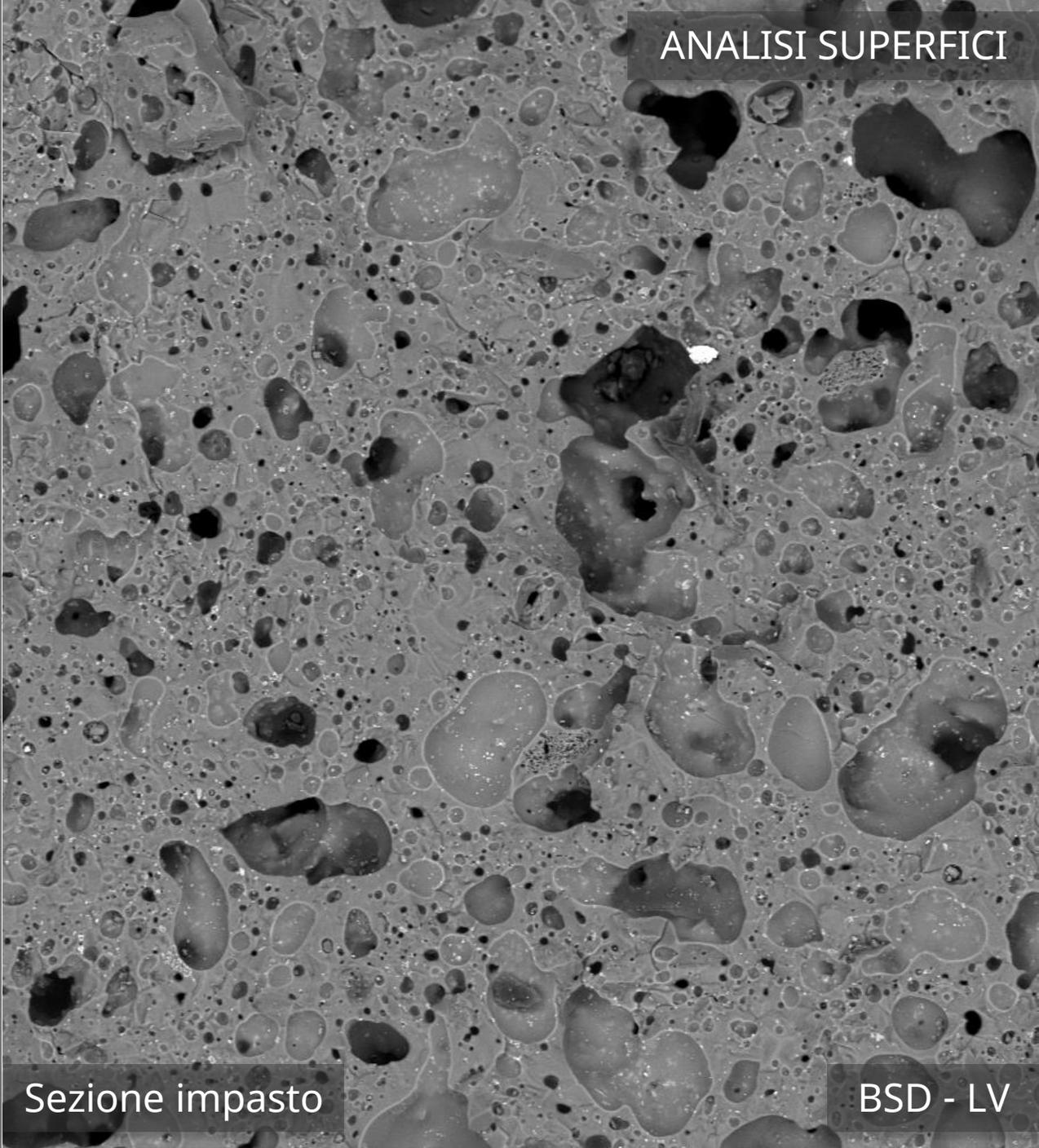
EDX - LV

Smalto



ANALISI SUPERFICI

Sezione impasto



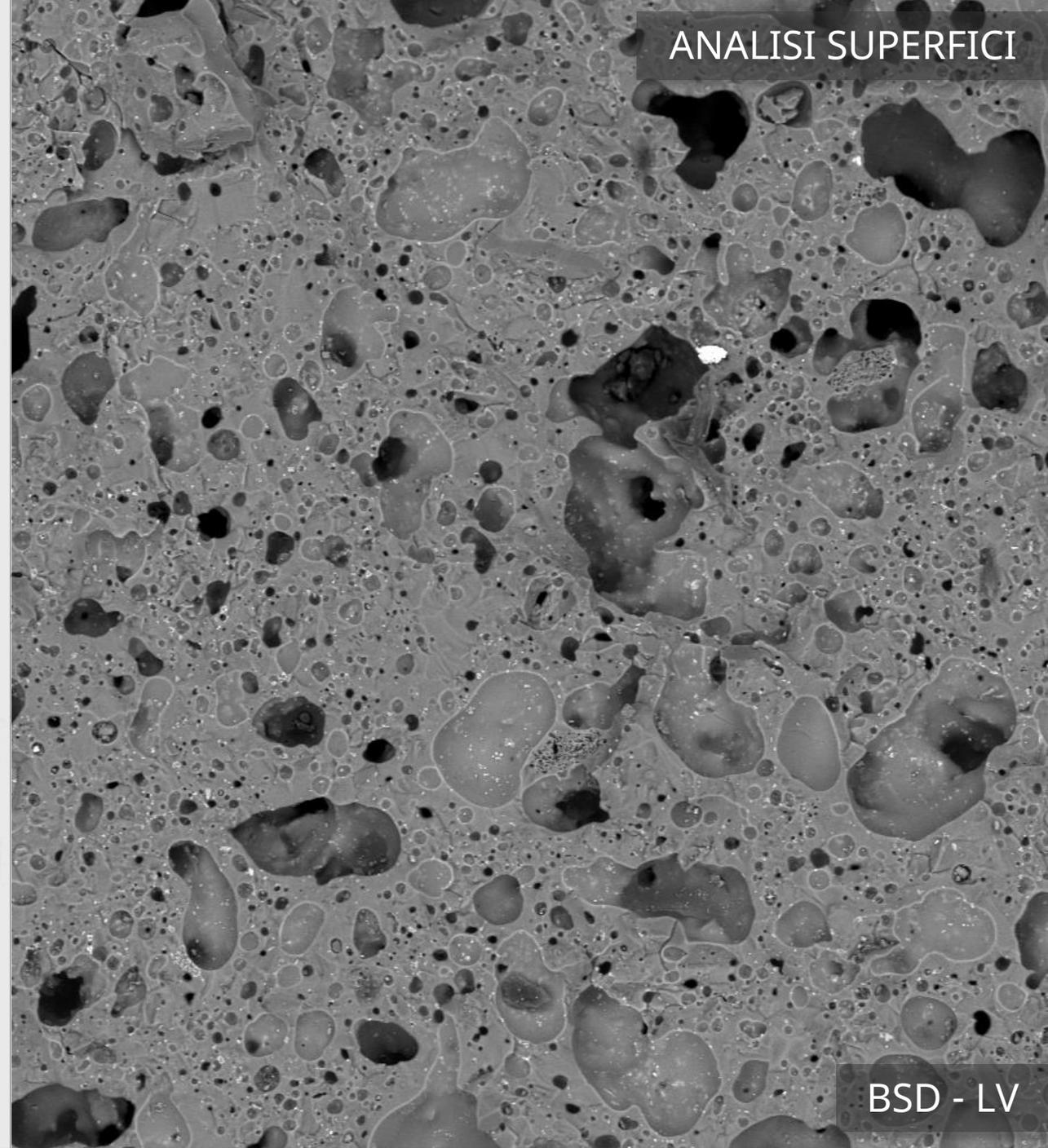
BSD - LV

ANALISI SUPERFICIE

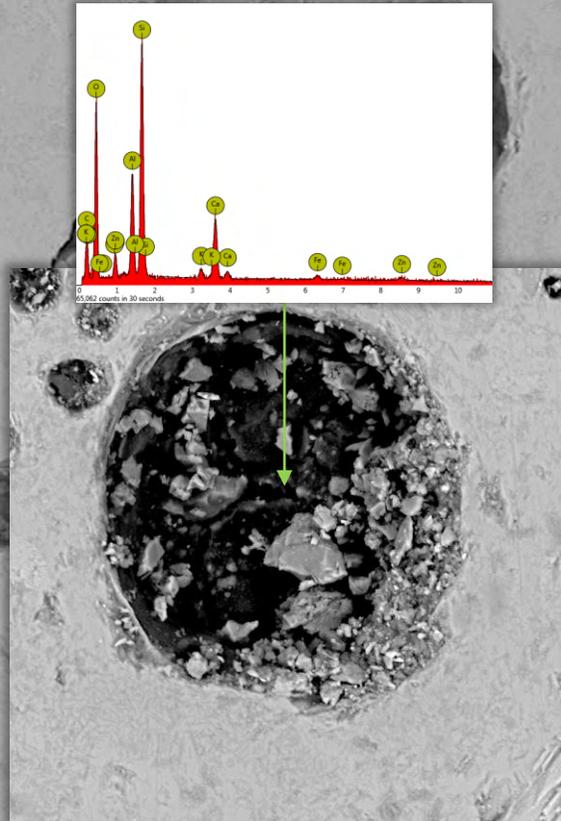
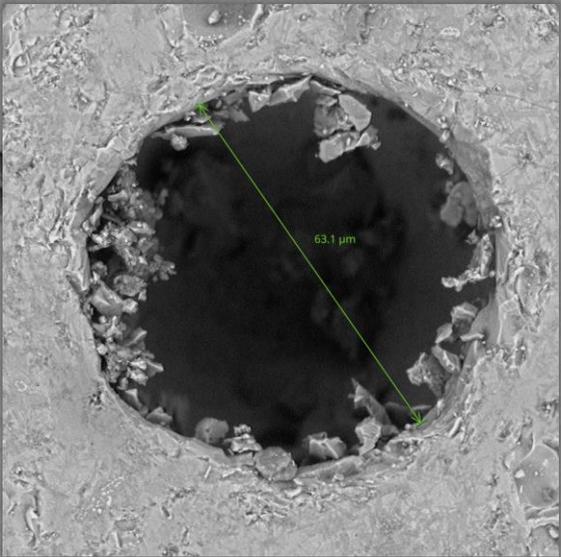
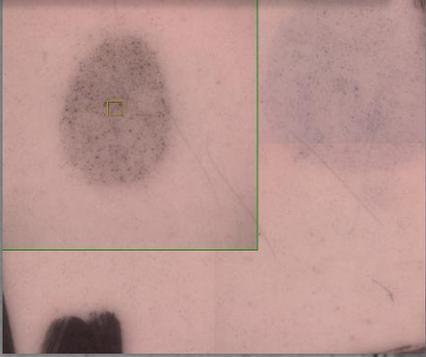
Porosità superfici

ANALISI SUPERFICIE

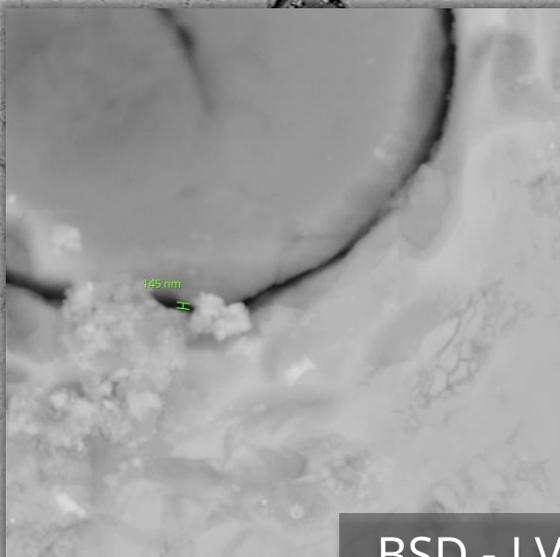
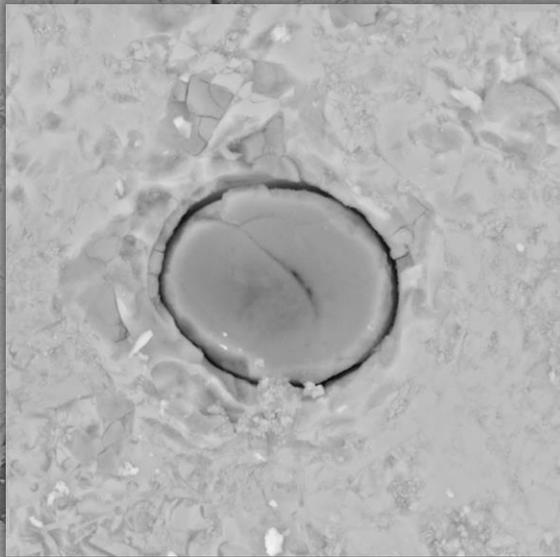
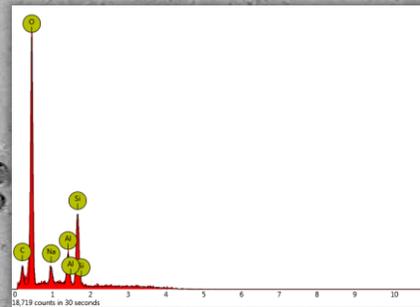
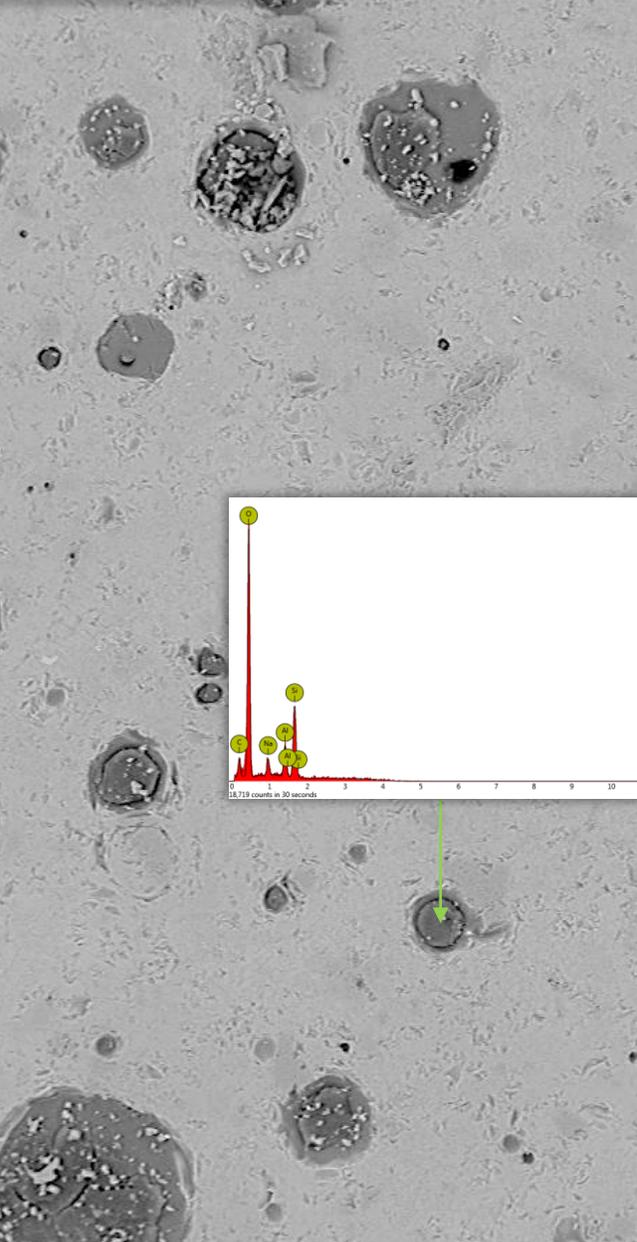
BSD - LV



NON TRATTATO



TRATTATO



ANALISI SUPERFICI

BSD - LV

NON TRATTATO

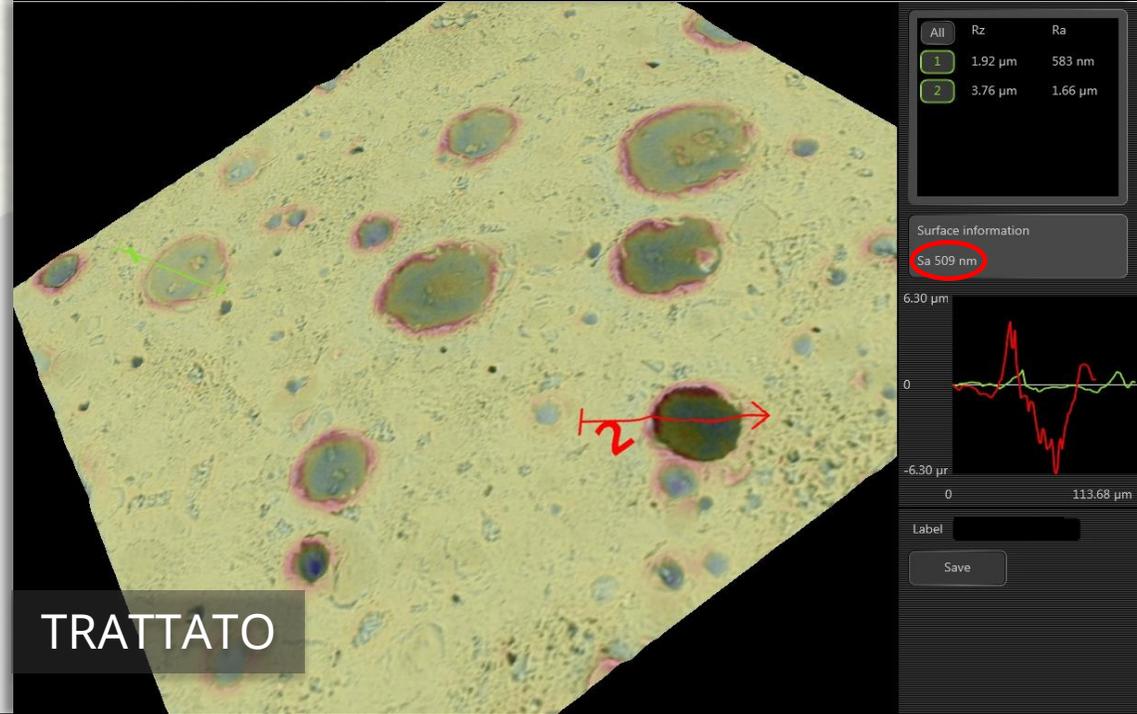
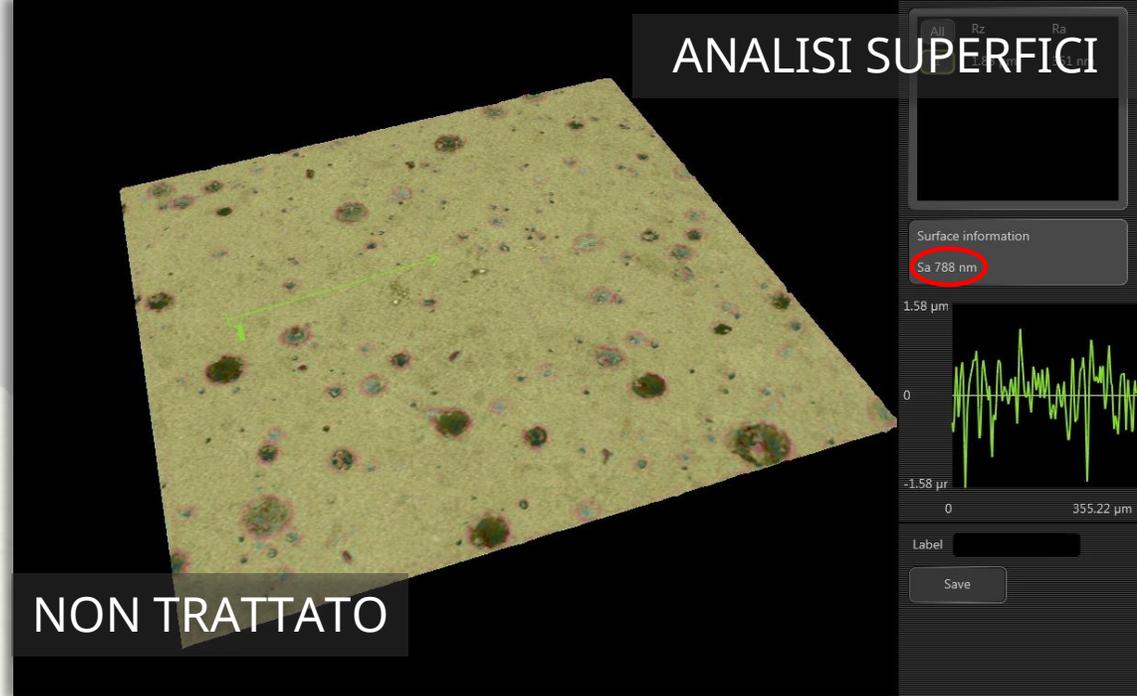
ANALISI SUPERFICIE

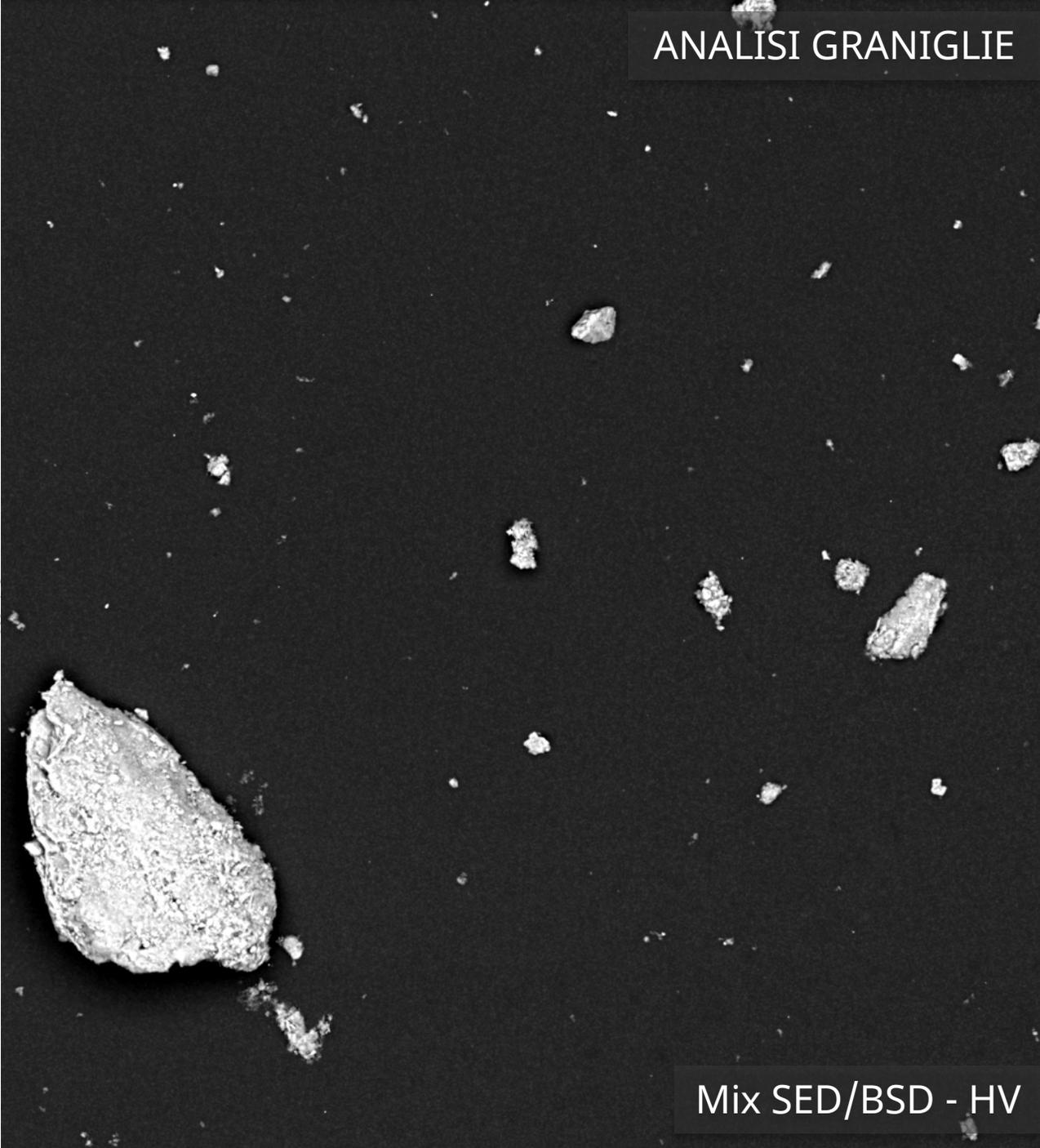
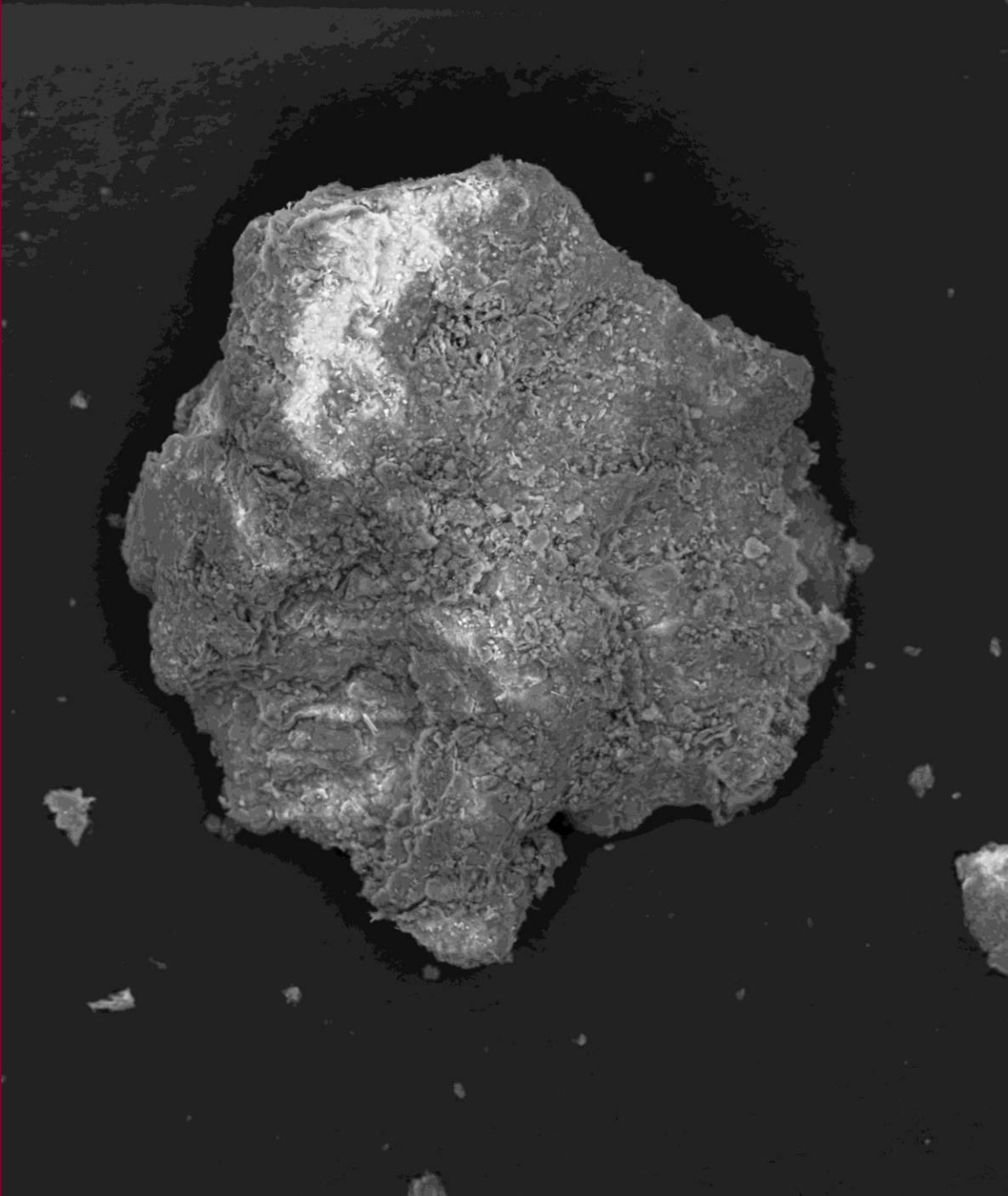
Efficacia trattamenti

TRATTATO

ANALISI SUPERFICIE

BSD - LV



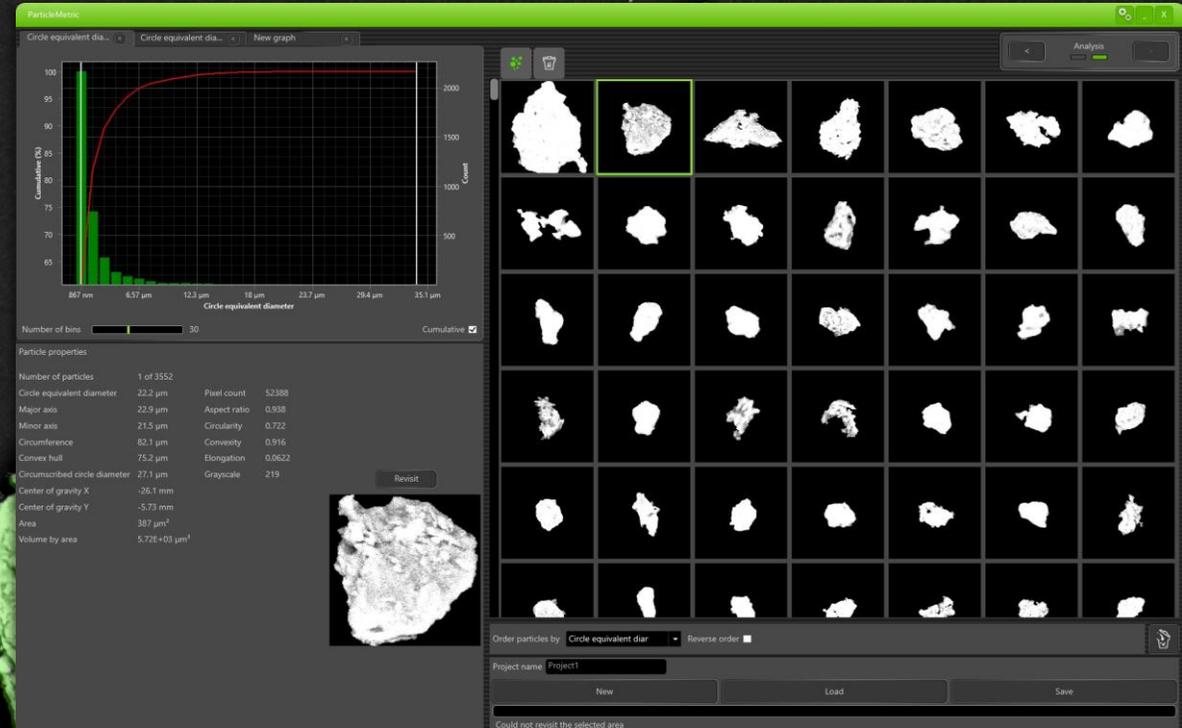


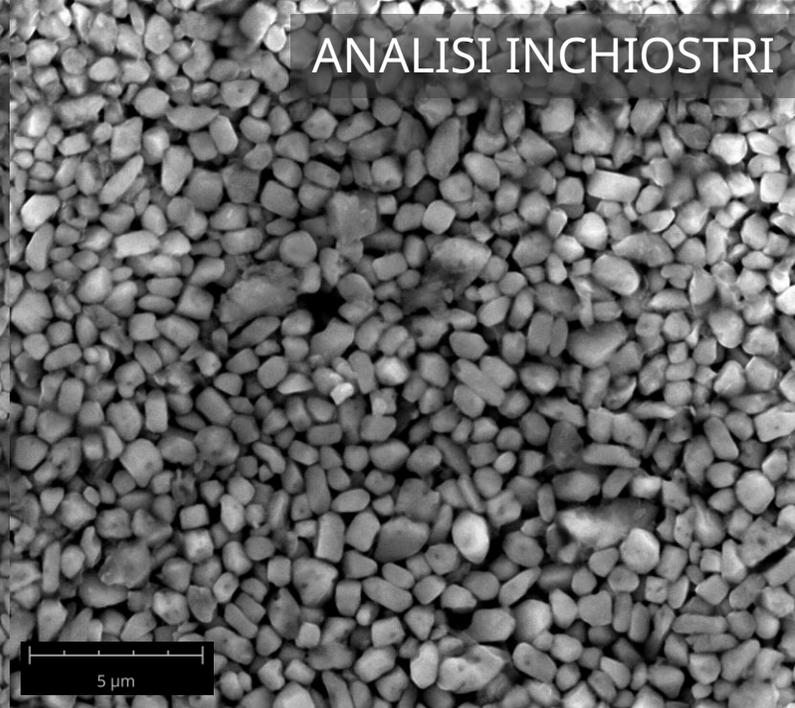
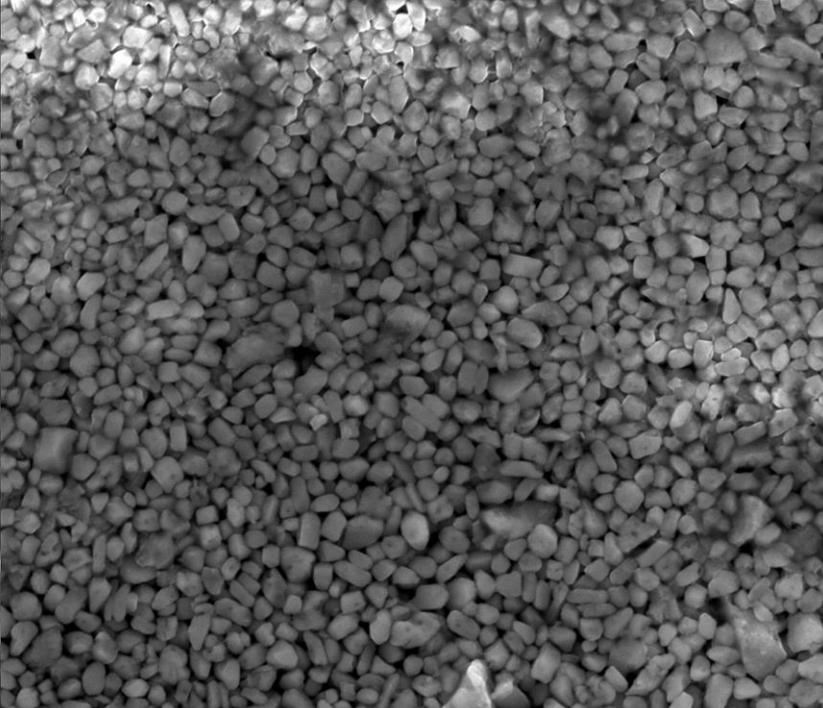
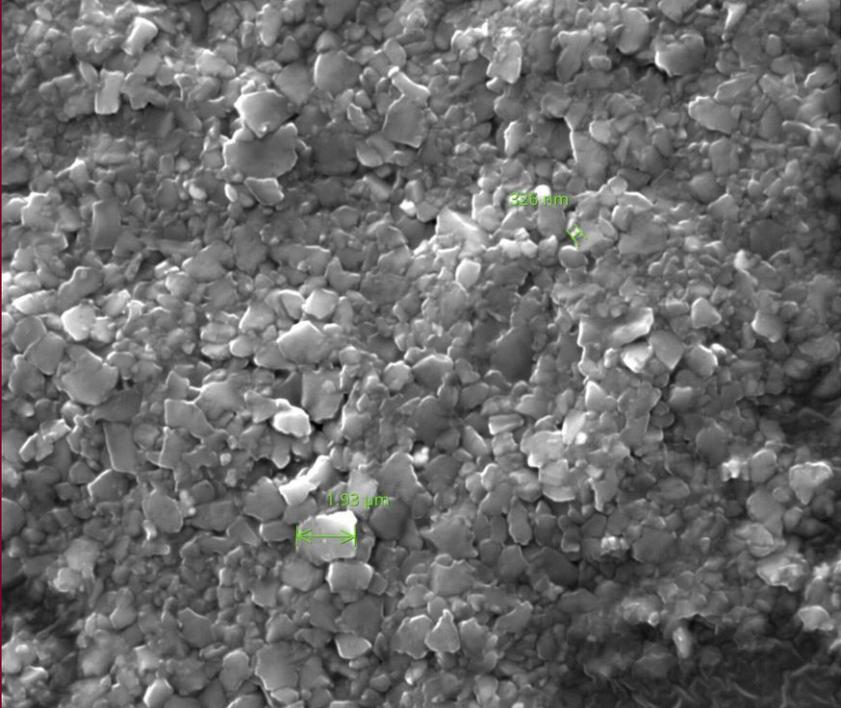
ANALISI GRANIGLIE

Mix SED/BSD - HV

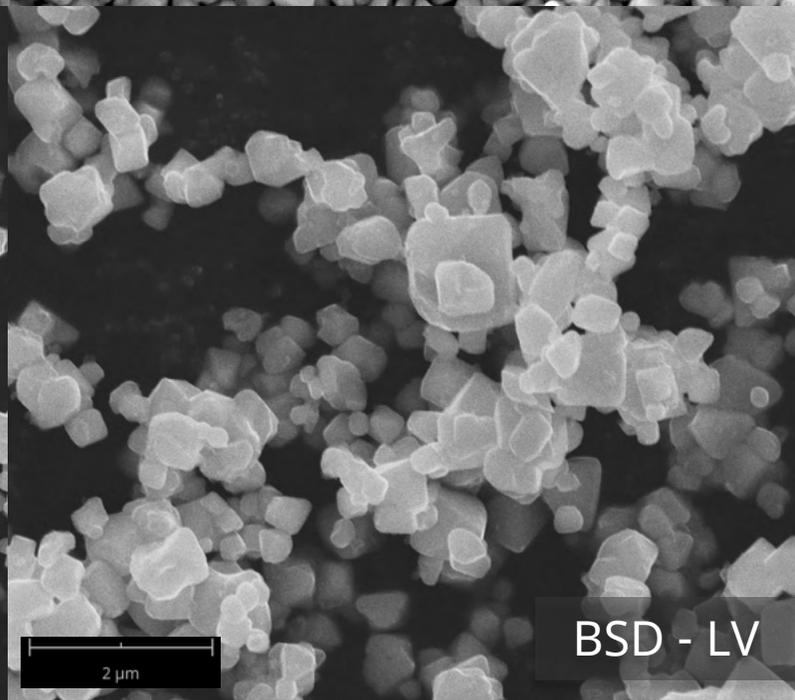
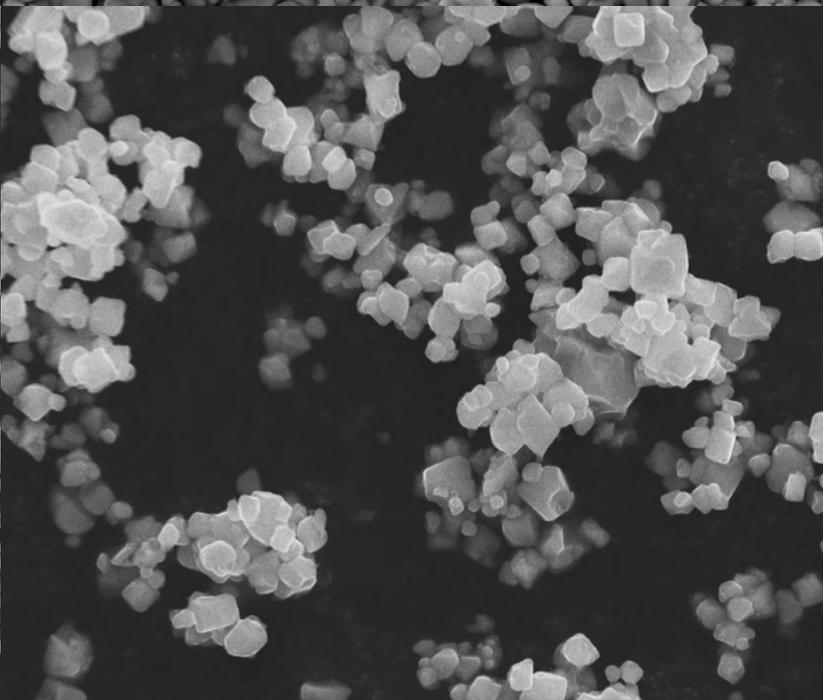
ANALISI GRANIGLIE

Dimensione, forma e composizione





ANALISI INCHIOSTRI

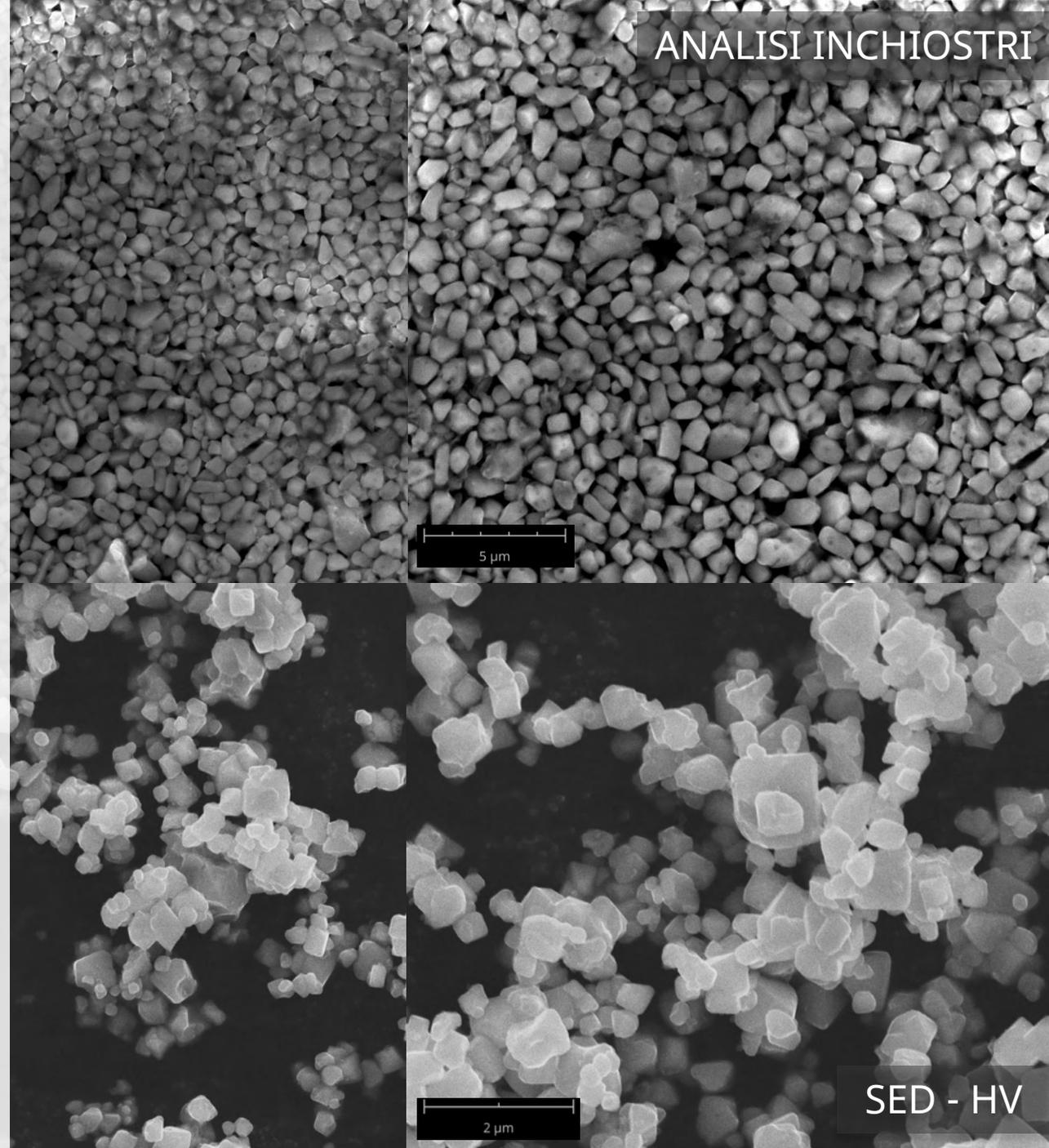


BSD - LV

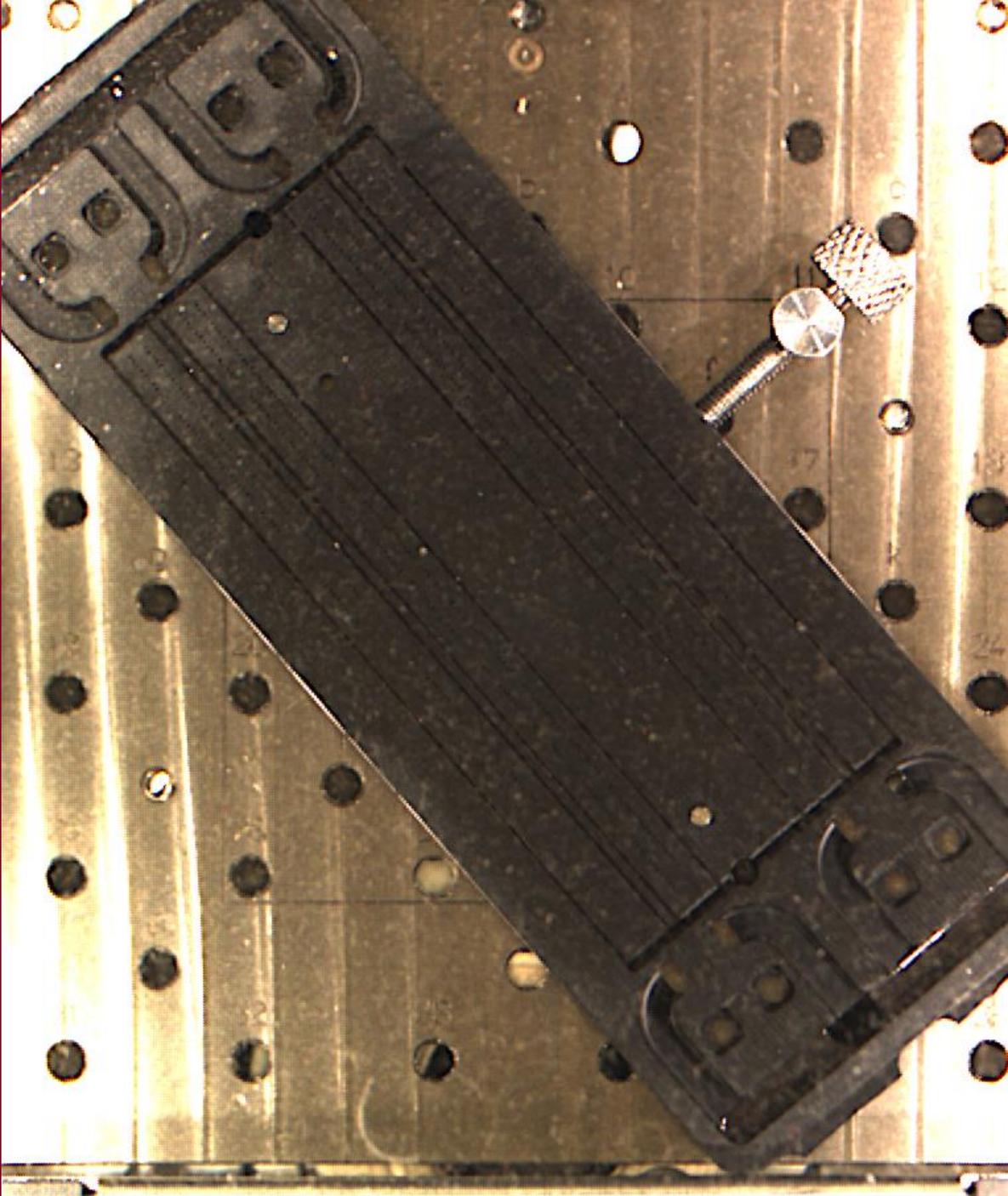
ANALISI INCHIOSTRI

Conferme visive analisi granulometrica e informazioni morfologiche

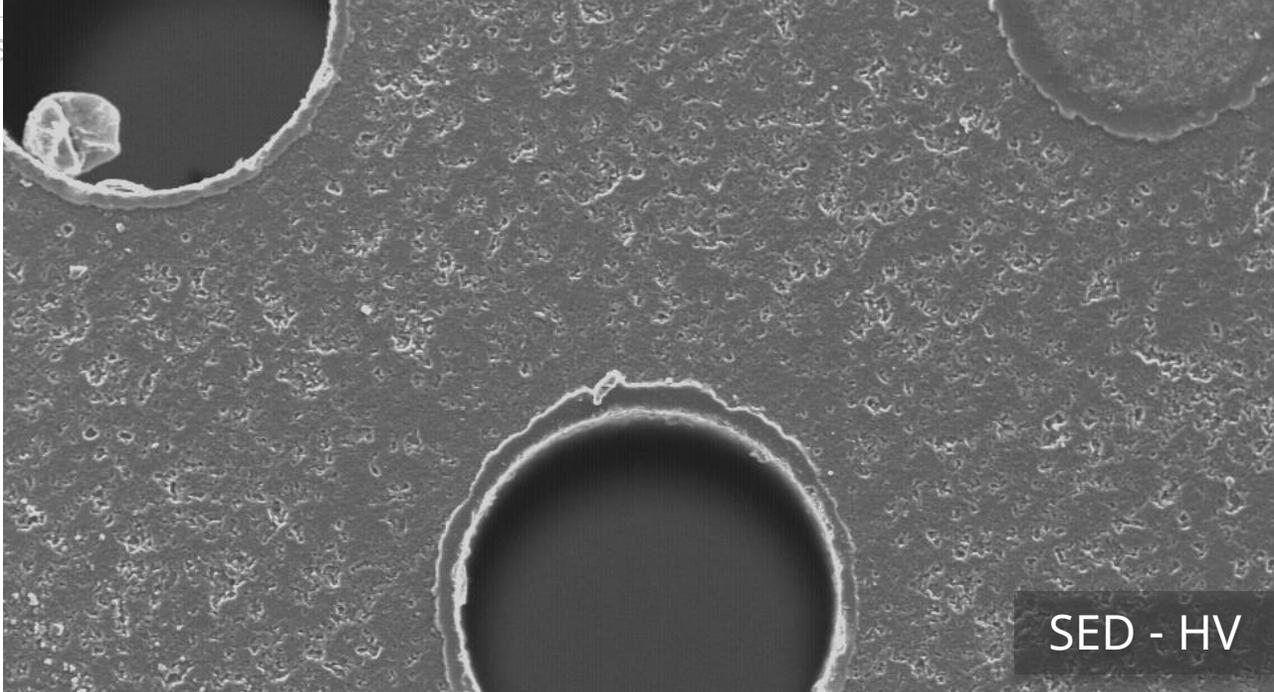
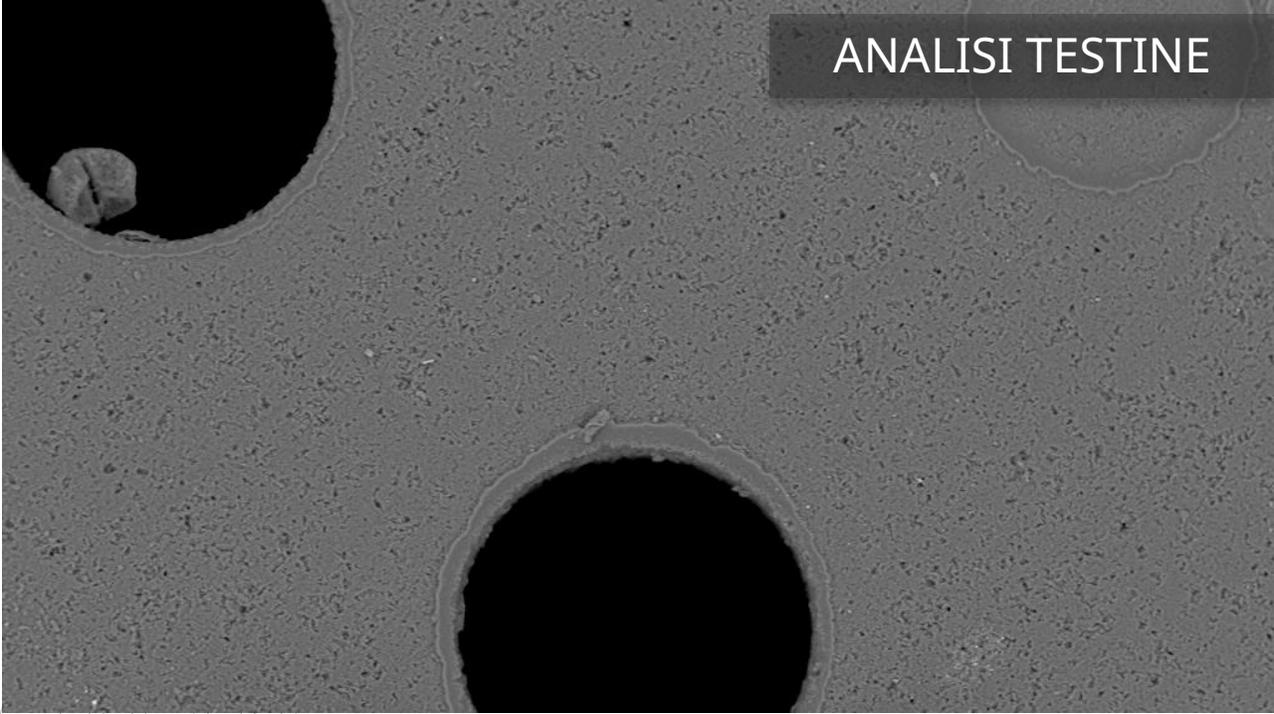
ANALISI INCHIOSTRI



SED - HV



ANALISI TESTINE

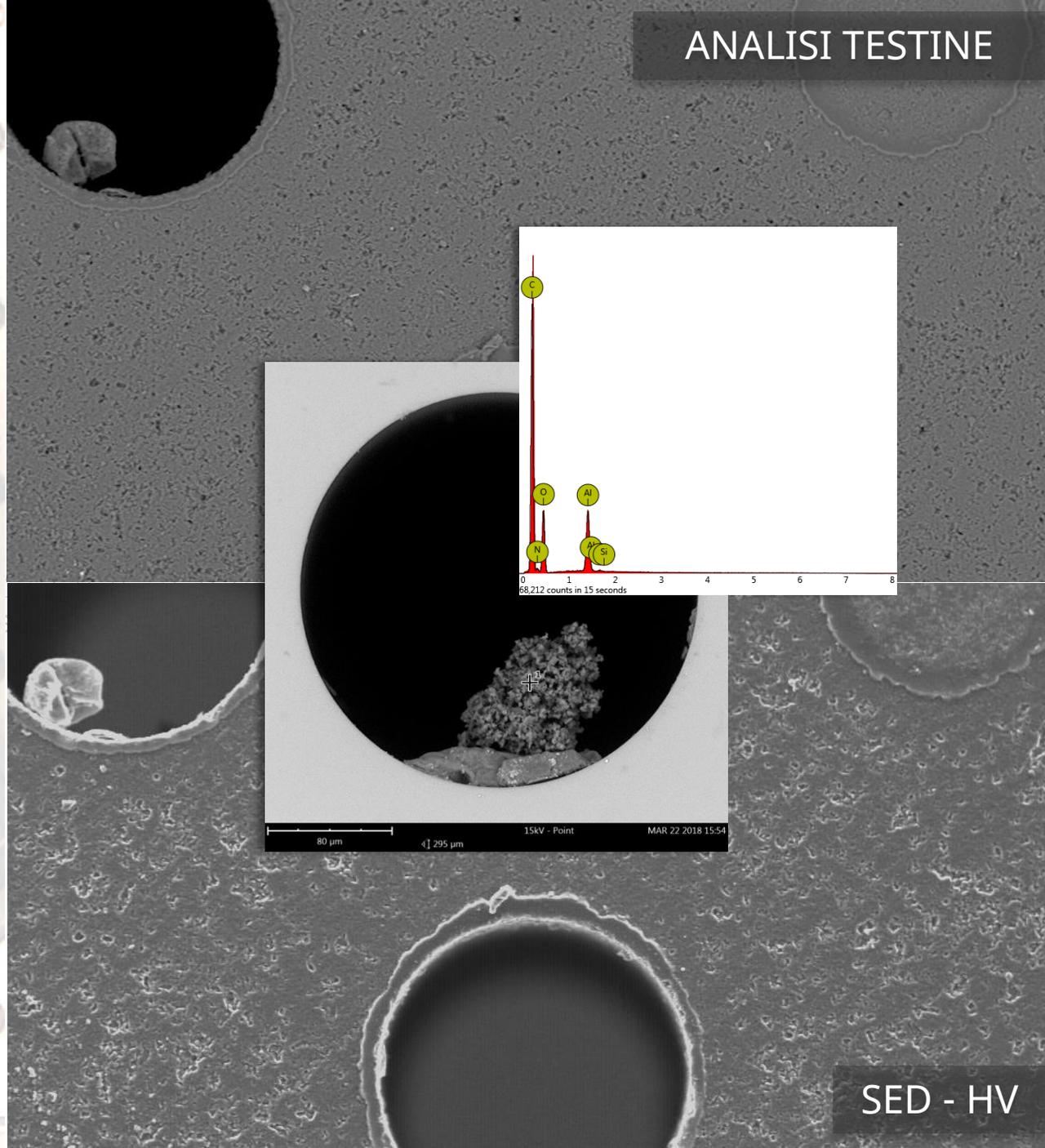


SED - HV

ANALISI TESTINE

Failure analysis testine per stampa digitale

ANALISI TESTINE



SED - HV

Contattaci



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