

Partners



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M E D I A T E



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Endoo

Endoscopic versatile robotic guidance, diagnosis and therapy of magnetic-driven soft-tethered endoluminal robots

The **Endoo EU project** aims at developing an integrated robotic platform for the navigation of a soft-tethered colonoscope capable of performing painless diagnosis and treatment



Endoo-project.eu
Endoscopic versatile robotic guidance, diagnosis and therapy of magnetic driven soft tethered endoluminal robots

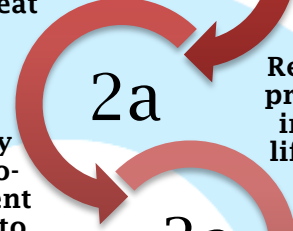
THE PROBLEM

1a The medical problem: colorectal cancer as a worldwide threat



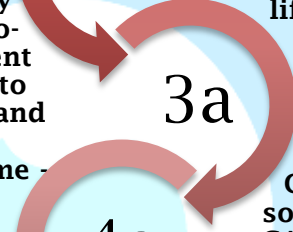
2a

Regular screening for prevention (treatment in a early stage) is a life saving procedure



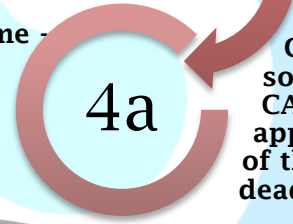
3a

Current technology (conventional video-endoscopes): efficient but uncomfortable to painful/traumatic - and potentially embarrassing for some - experience



4a

Current alternative solution exists: VIDEO CAPSULES but still not approved for screening of the most common and deadly colorectal cancers



Endoo platform

THE SOLUTION

1b

Painless and thus accepted procedure for colonoscopy



2b Early stage screening through mass screening campaign

2b



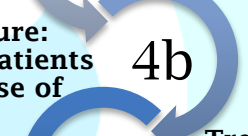
3b

Immediate treatment of pathologies, such as colorectal cancers (CRC), at same time of diagnosis



4b Life-saving procedure: survival rate of CRC patients can reach 90% in case of early diagnosis

4b



5b

Tremendous social benefit and reduced cost for the public healthcare systems.



Endoo combines a “front-wheel” magnetic-driven approach for active and smooth navigation with diagnostic and therapeutic capabilities for overcoming the limitations of current colonoscopy in terms of patient discomfort, dependence on operator skills, costs and outcomes for the healthcare systems.

