

Business Innovation Center of Croatia

Towards the National Biotechnology Policy

Ivo Friganović
RAZUM Program Manager



Summary

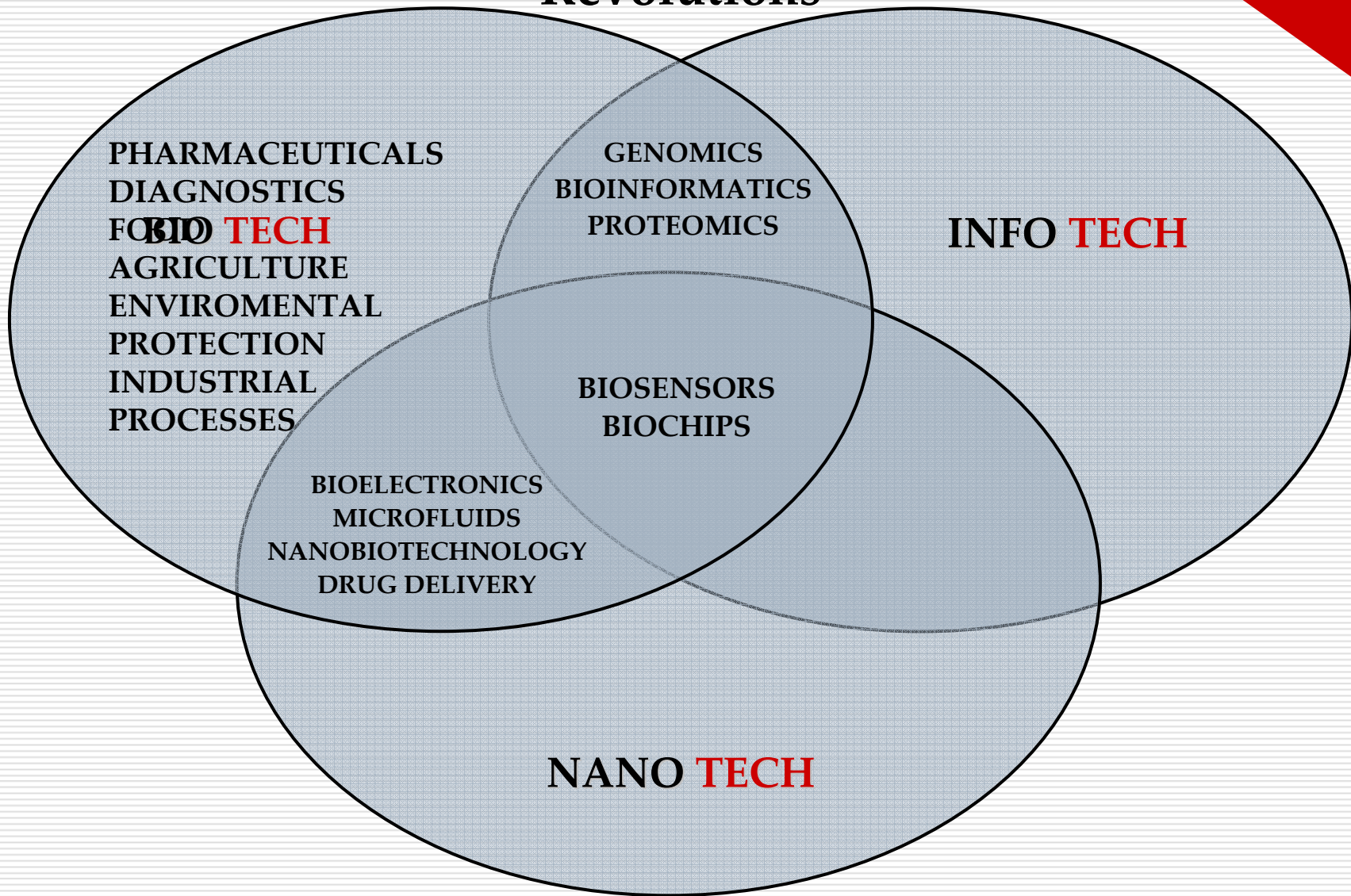
- Background information
- Primary policy elements
- Policy measures

Background

- ❑ Today's economy is a knowledge driven economy
- ❑ Current **technological revolutions** are the driving force behind this

Three Converging Technological Revolutions

BIOTECH



Biotechnology-Related Industries

INDUSTRIAL SECTOR	FUTURE PROSPECTS DEPENDENT ON BIOTECHNOLOGY
PHARMACEUTICALS	VERY STRONG
CHEMICALS	STRONG
AGRICULTURE	STRONG
ENERGY	MEDIUM / STRONG
FOOD	MEDIUM / STRONG
EQUIPMENT	MEDIUM

Biotechnology: Facts & Benefits

RED BIOTECH (Healthcare)

- Biotech medicines account for 20% of all marketed medicines and 50% of those in clinical trials.
- More than 250 million patients have benefited from already approved biotech medicines.
- 324 Biotech new medicines and vaccines today being tested for nearly 150 diseases.

SOURCE: EuropaBio 2006.

Biotechnology: Facts & Benefits

WHITE BIOTECH (Industrial)

- ❑ BIOPRODUCTS: part of our daily life (detergents, vitamins, food ingredients, biochemicals, plastics, biofuels, etc).
- ❑ BIOPROCESSES: has begun to revolutionize many industrial sectors – energy efficiency boosted, raw materials consumption decreased, CO₂ emissions reduced, and production costs usually lower.
- ❑ € 50 billion of chemical sales are impacted by biotechnology today.

SOURCE: EuropaBio 2006.

Biotechnology: Facts & Benefits

GREEN BIOTECH (Agro-food)

- More than 10 years global commercial experience.
- More than 8,5 million farmers grow genetically improved crops.
- Worldwide: more than 90 million hectares in 2005.
- Europe: 60.000 hectares in Spain; now several thousand hectares in France, Germany, Portugal and Czech Republic.

SOURCE: EuropaBio 2006.

Primary Policy Elements

IMPLEMENTATION OF APPROPRIATE POLICIES
AND STRATEGIES

OTHER PRIMARY ELEMENTS

- Political leadership
- Legislation / regulation
- Collaborations
- Public acceptance
- Market

Conclusion

There is an urgent need for a clearly defined **biotechnology policy** in order to capture and exploit part of the potential that biotechnology offers for future Croatian sustainable economic growth

Thank you!

Ivo Friganović

RAZUM Program Manager

ivo.friganovic@bicro.hr

Business Innovation Center of Croatia – BICRO Ltd.

Planinska 1, Zagreb, CROATIA

www.bicro.hr