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... research useful to society

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Biotechnology in the Czech Republic where we are?

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České Budějovice

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“great past – sad present – promising future”*

- “ long tradition in “classic” biotechnology
- “ established education system, affordable and well qualified manpower
- “ improved R&D infrastructure
- “ growing awareness on IP protection in academia
- “ increasing R&D funding

- “ lagging behind in cutting-edge technologies
- “ insufficient interaction of academia with industry, past brain drain
- “ missing tradition in spin-offs, lack of managers trained in science
- “ lack of funding for patenting in academia; lack of venture capital
- “ growing bureaucracy; complex rules

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R&D&I Infrastructures (OP RDI & TACR CC)



Centra kompetence
VaVpl centra

A – Společenské vědy
B – Matematika a fyzika
C – Chemie

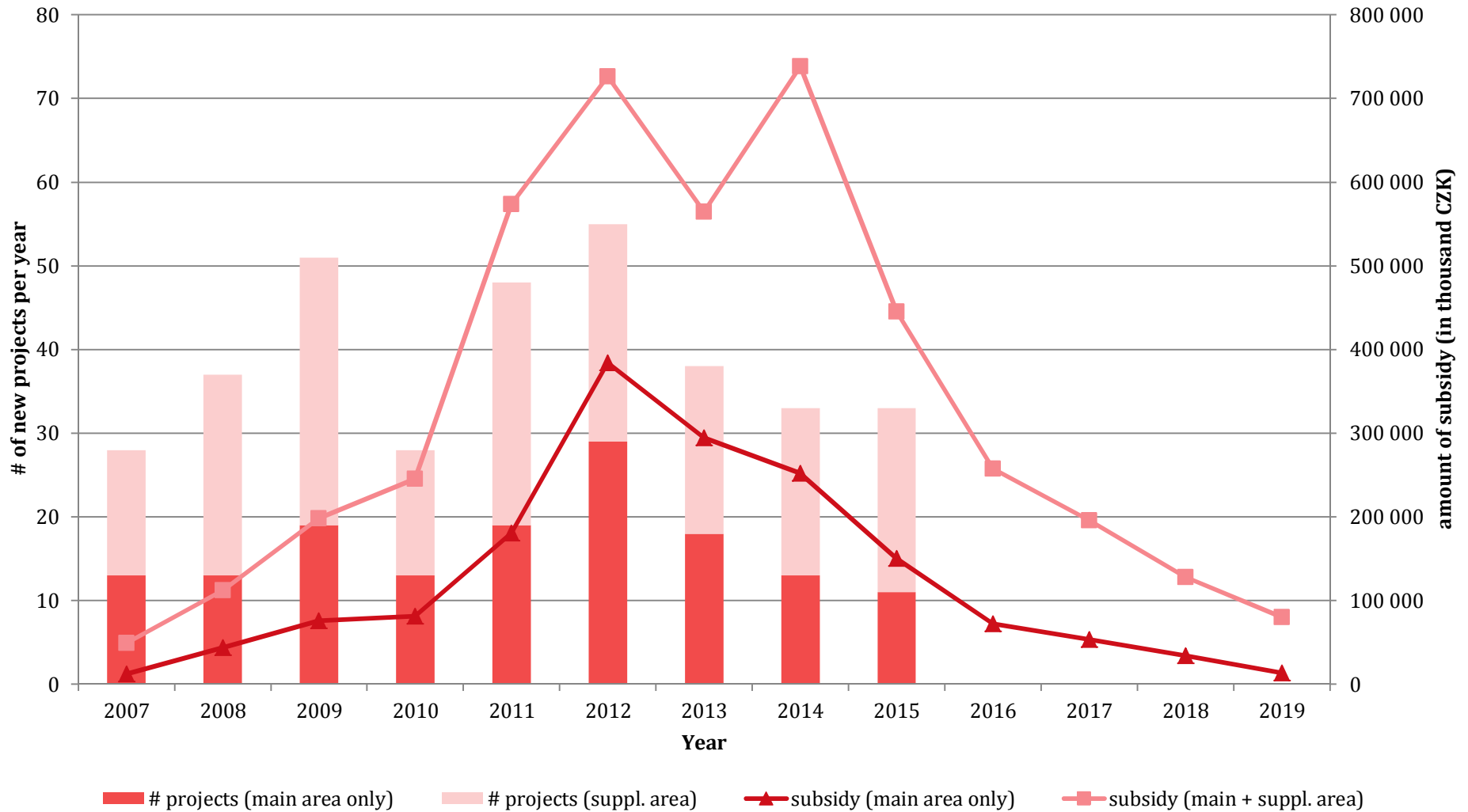
D – Vědy o zemi
E – Biovědy
F – Lékařské vědy

G – Zemědělství
I – Informatika
J – Průmysl

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project support in biotech field

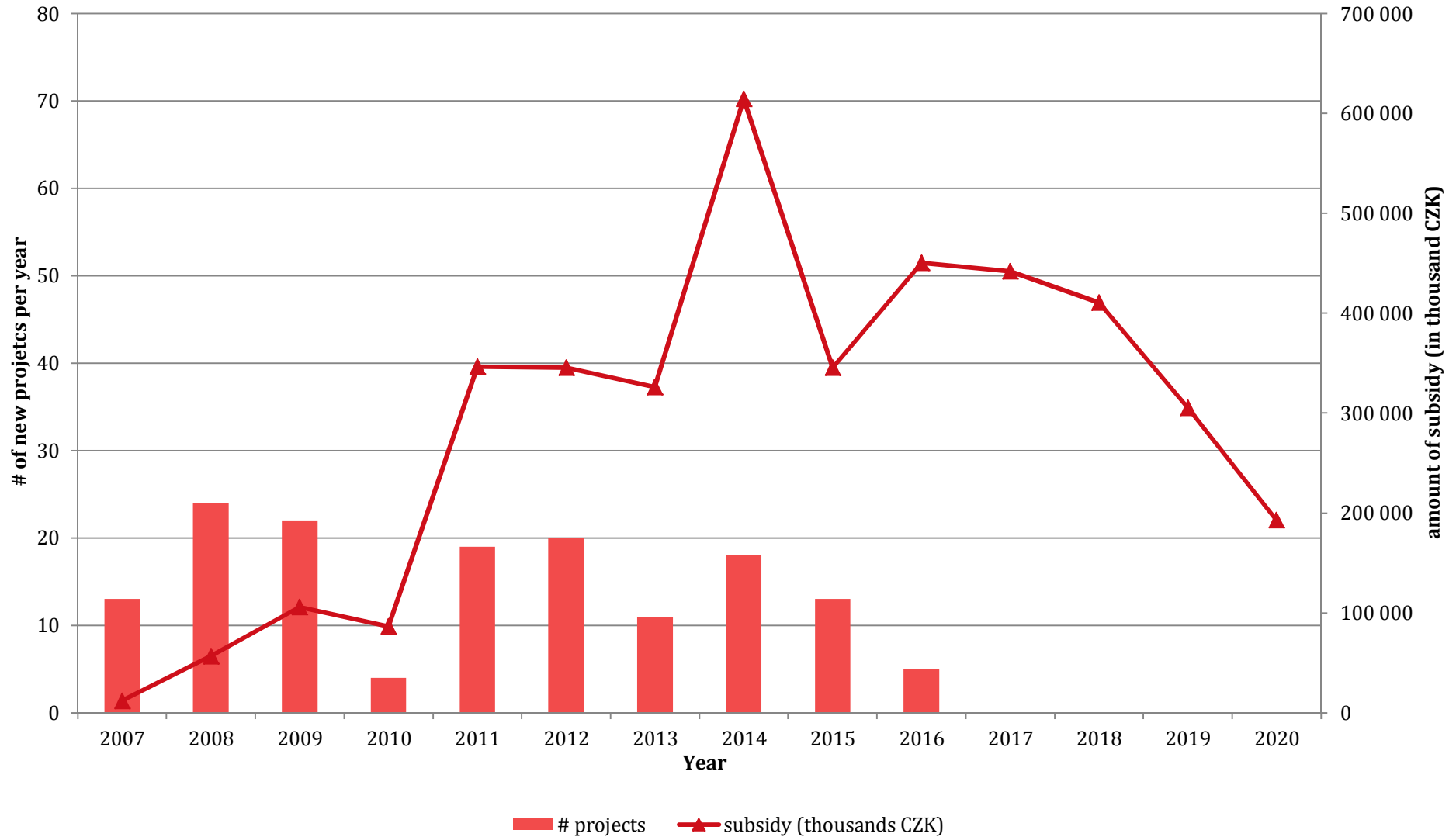
(using IS VaVal, CEP categories)



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project support in biotech field

(using IS VaVal, "keyword" categories*)



*-keywords used for selection of projects was based on "biotech" keyword

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institutions with highest # of projects

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(using IS VaVal, CEP & “keyword” categories)*

CEP categories:

Mikrobiologický ústav AV ČR, v. v. i.

Vysoká škola chemicko-technologická v Praze / Fakulta potravinářské a biochemické technologie

Výzkumný ústav rostlinné výroby, v.v.i.

Ústav experimentální botaniky AV ČR, v. v. i.

Fyziologický ústav AV ČR, v. v. i.

Univerzita Palackého v Olomouci / Přírodovědecká fakulta

Biologické centrum AV ČR, v. v. i.

Ústav molekulární genetiky AV ČR, v. v. i.

Masarykova univerzita / Přírodovědecká fakulta

DEKONTA, a.s.

“keyword” categories:

Mikrobiologický ústav AV ČR, v. v. i.

Ústav experimentální botaniky AV ČR, v. v. i.

Univerzita Palackého v Olomouci / Přírodovědecká fakulta

DEKONTA, a.s.

Univerzita Karlova v Praze / Přírodovědecká fakulta

Biotechnologický ústav AV ČR, v. v. i.

Vysoká škola chemicko-technologická v Praze / Fakulta potravinářské a biochemické technologie

Ústav molekulární genetiky AV ČR, v. v. i.

Česká zemědělská univerzita v Praze / Fakulta agrobiologie, potravinových a přírodních zdrojů

Fakultní nemocnice u sv. Anny v Brně

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“promising” future

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world where we live

- “ does even “Czech biotech” exist...?
- “ “hype” world
- “ overused “buzzwords” or “cliché”
 - . “*open science*”
 - “ share all with everyone vs. share all with everyone after you protect your IP
 - . “*there is no industry to collaborate with and/or sell the results to*”
 - “ local vs. global → is the “science” global...?

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comments and recommendations

- “ be carefully open
 - . secure your IP first!
- “ internationalize
 - . attract people AND money worldwide
- “ try to think out-of-the-box
 - . look for partners even outside (your field, country ...)

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Thank you for your attention.



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