

Emerging challenges to international research

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white satin moth, lily leaf beetle, Argentine ant, turnip aphid, grape berry moth, giant bark aphid, stink bug, spotted lanternfly, gypsy moth, Asian gypsy moth, rosy gypsy moth, nun moth, pink hibiscus mealybug, lupin aphid, potato aphid, forest tent caterpillar, Japanese pine bast scale, Hessian fly, kudzu bug, sugarcane aphid,

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There are MORE potential invasives out there!

The only way to find out is to do research out there.

pear thrips, ghost ant, white-footed ant, elm sack-gall aphid, brown spruce longhorn beetle, spotted alfalfa aphid, basswood thrips, onion thrips, elm leaf aphid, larger pine shoot beetle, poplar sawfly, Chinese longhorned beetle, velvet longhorn beetle, khapra beetle, giant willow aphid, Asian giant hornet, little fire ant, elm leaf beetle, fruit-tree pinhole borer, redbay ambrosia beetle, black twig borer, granulate ambrosia beetle,

Good news

- APHIS now issuing permits really fast!
- Forest Service International Programs support an array of collaborations worldwide.

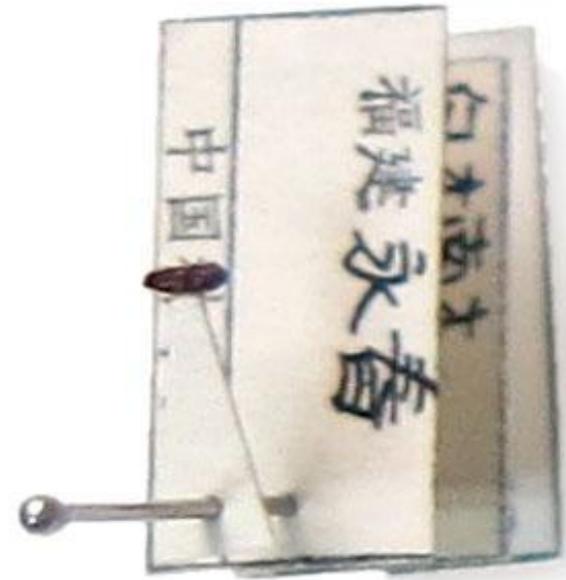
Bad news

- Nagoya

“.. a transparent legal framework for the effective implementation of the fair and equitable sharing of benefits of the utilization of genetic resources...”

Leaves implementation to National Authorities

- often just on paper
- none, or multiple
- the uncertainty transfers power to regional bureaucrats



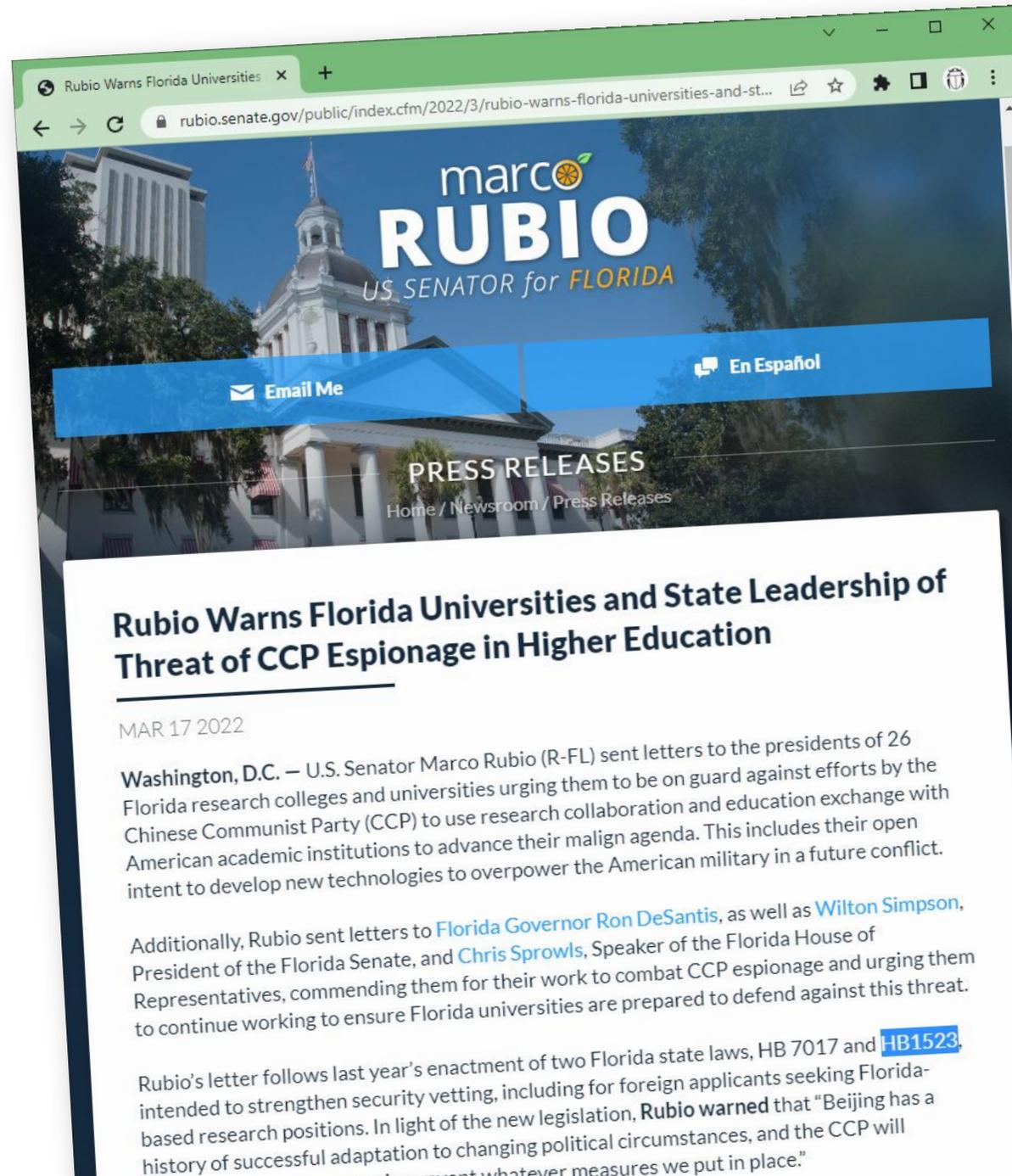
Specimens for identification?

Digital DNA sequence?

“Conference of the Parties noted divergence of views of Parties on this matter (2022)”

Bad news

- Nagoya Protocol
- Anti-China rhetoric



Bad news

- Nagoya Protocol
- Anti-China rhetoric



“It is clear we face a problem with the PRC recruiting nontraditional agents, such as academics, residing in Florida...”

*“Institutional links between universities in Florida and the PRC, including joint research programs, **should be discouraged...**”*

Rubio's letter follows last year's enactment of two Florida state laws, HB 7017 and [HB1523](#), intended to strengthen security vetting, including for foreign applicants seeking Florida-based research positions. In light of the new legislation, Rubio warned that "Beijing has a history of successful adaptation to changing political circumstances, and the CCP will support whatever measures we put in place."

Bad news

- Nagoya Protocol
- Anti-China rhetoric
- **Florida law HB 7017
2021**

“...prohibits specific agreements between state/public entities and the seven countries of concern (Russia, PRC, Cuba, North Korea, Iran, Syria, and Venezuela)”

Bad news

- Nagoya Protocol
- Anti-China rhetoric
- Florida law HB 7017 2021
- **Florida law HB 1523
2021**

“... an individual or entity that attempts to steal a trade secret on behalf of a foreign government, will face a third-degree felony, punishable by MORE THAN 15 years in prison”



Bad news

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Mention a biocontrol
for American invasive
pest of trees in China?



Bad news

- Nagoya Protocol
- Anti-China rhetoric
- Florida law HB 7017 2021
- Florida law HB 1523 2021
- **Collaborators getting concerned**



A sentinel garden collaboration
one year in the making.

Then silence.



I think FAFU probably
could not work on this
anymore.

To enable partnerships, we may need to get involved in policy making.