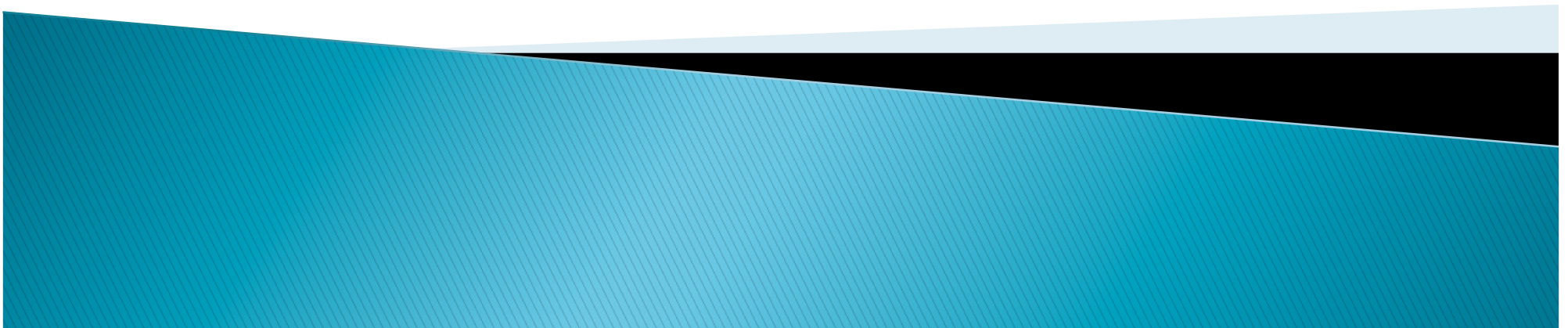


Toxic Ammunition Emissions

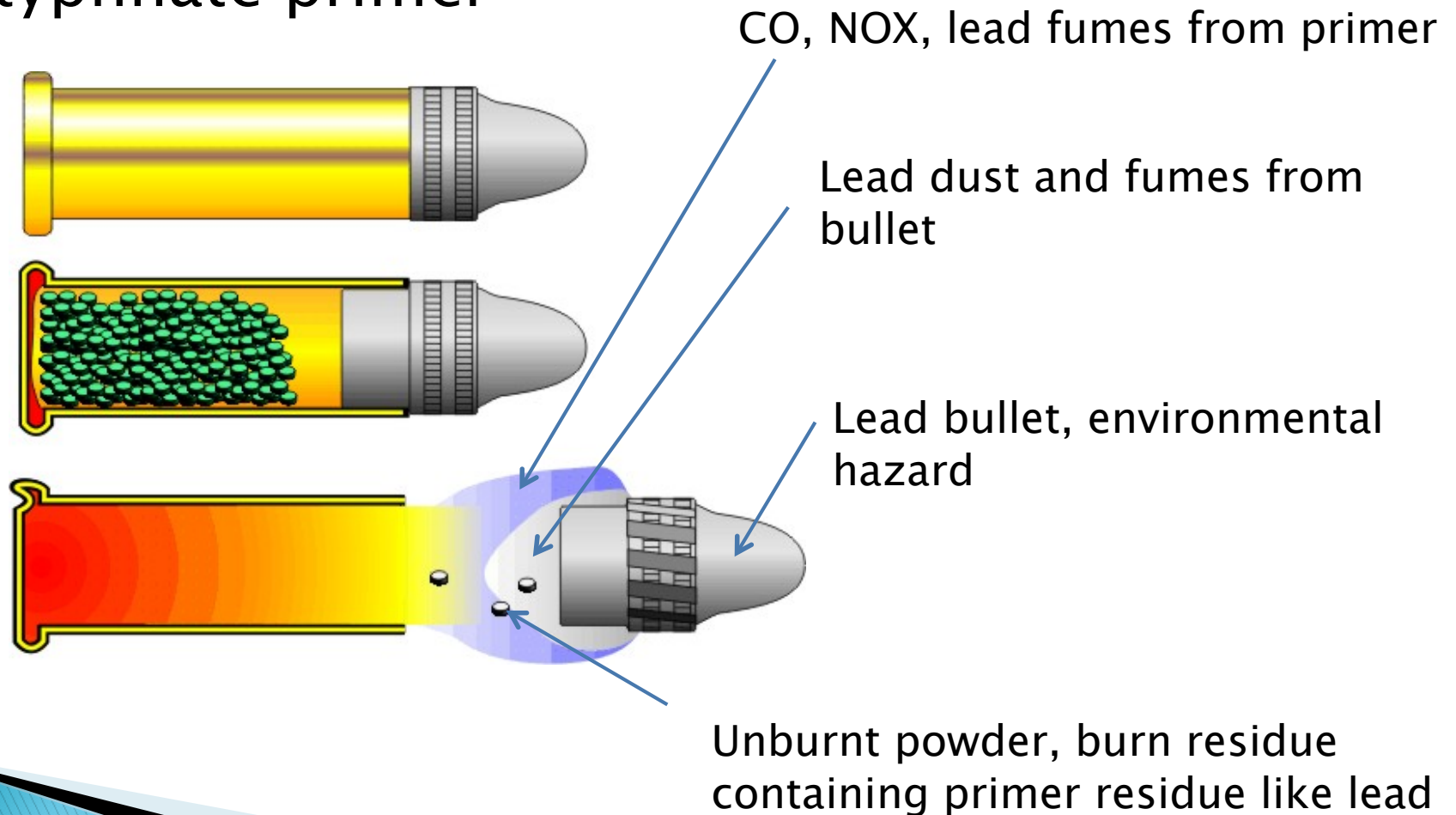
,We can significantly reduce them

Jorma Jussila PhD, Adj. Prof.



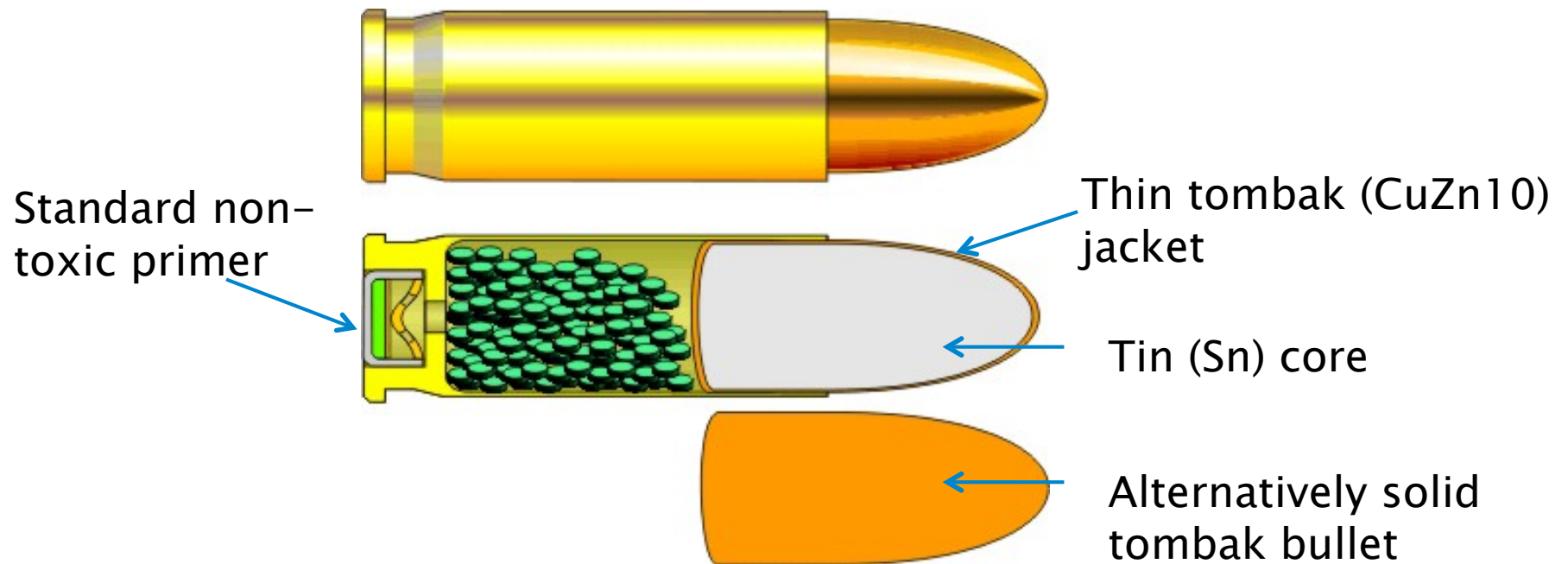
Emissions

- ▶ .22LR as an example. Lead bullet, lead styphnate primer



Reducing harmfulness

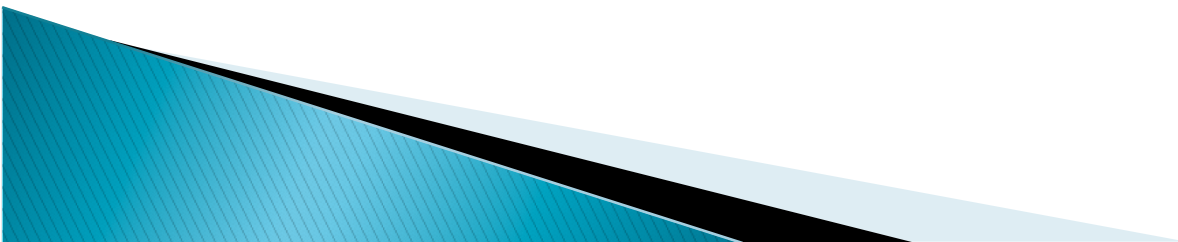
6,35 Browning or 5,45 PSM as example



Also, use of recyclable materials especially for shotshells.

But...

- ▶ We can do very little to unburnt powder
- ▶ Developing a non-toxic 22LR cartridge is very difficult
- ▶ Toxic and non-toxic ammunition are ballistically not comparable
- ▶ Center fire calibre weapons need no changes. Rimfire weapons require conversion kit
- ▶ We need a research project



BUT WE CAN GET RID OF LEAD!

▶ Thank You

