



Cooperative Research Centre for  
**IRRIGATION FUTURES**

# How many PhD's does it take to change a .....?

Kelvin Montagu & Deb Atkins

# CRC IF investment in postgraduates

2003

- Declining research capacity
- Increasing challenges
- where will the next generation come from?



# Building research capacity



# CRC IF – building research capacity

## JOBS



# Challenges ahead

## Irrigation industry transformation

- re-evaluation
- consultants & corporate
- Federal government

Research organisation uncertainty –NPSI and CRC IF  
Surge in demand for skilled people

## Investments over the next decade

|          |   |
|----------|---|
| Federal  | - \$13 Billion                              |
| State    | - ? Additional 50 -80% (\$6.5 – 10 billion) |
| Industry | - ? Additional 50% (\$6.5 billion)          |
| TOTAL    | \$26 billion                                |

**If just 1% of this was spent on R&D - \$26 million per year**



In 5 years times  
who will be in the picture ?

