

wouvation	
 Hydropower (H sustainable de 	 HP) activities must increasingly be evaluated from a evelopment (SD) perspective.
 Corporate soc 	ial responsibility (CSR) is the business equivalent:
 a shift fro corporate 	m a pure shareholder perspective (maximizing profits and value)
→ a broader	concept (multiple stakeholder concerns and values).
Definitions of C	SR:
WBCSD	the commitment of business to contribute to sustainable
	development
OECD (2001)	development business's contribution to sustainable development.
OECD (2001) Heal (2005)	development business's contribution to sustainable development. reduce externalized costs and avoid distributional conflicts.
OECD (2001) Heal (2005) Beltratti (2005)	 development business's contribution to sustainable development. reduce externalized costs and avoid distributional conflicts. Socially responsible firms do try to maximize profits but at the same time try to improve the welfare of other stakeholders.



A Paretea	an view of t	he firm:			
 Definiti maximi improv 	on 1: CSR is ze its corpo ement of so	s "a program c rate value anc cial welfare" (H	f action whe , at the same lediger, 2010	re a firm's objective is t e time, to contribute to 0).	to the
$\max_{{x_{jit}}}\pi($	\mathbf{x}_{jt}) s.t.	$W(\mathbf{z}(\mathbf{x}_{jt})) \geq 0$	$W(\mathbf{z}^\circ) \equiv \underline{W_0}$		
Externali	ties and rep	outation capit	al:	ID.	
$E_{jt} = E$	$(\mathbf{x}_{jt}) \equiv W(\mathbf{z}($	$\mathbf{x}_{jt})) - \underline{W_t}$	$\dot{R}_{jt} = -$	$\frac{dR_{jt}}{dt} = \psi(R_{jt}) \cdot \alpha^{-E_{jt}} \cdot E(t)$	(\mathbf{x}_{jt})
CSR and	corporate	value:			
	$\max L_{jt} = L$	$H(\mathbf{x}_{jt},\mathbf{k}_{jt},y_{jt},\mathbf{k}_{jt},\mathbf{x}_$	$(R_{jt}) + \lambda_{jt} \cdot [W]$	$(\mathbf{z}(\mathbf{x}_{jt})) - \underline{W}_{t}] \forall t$	
	Н =	$H(\mathbf{x}, \mathbf{k}, \mathbf{v})$	$(R_{\perp}) = v_{\perp} + a$	$\mathbf{\dot{k}} \cdot \mathbf{\dot{k}} + \mu \cdot \mathbf{\dot{R}}$	











